DATA RECORD OF CURRENT OBSERVATIONS
VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)
PART 1

W.S. Huggett, W.R. Crawford, R.E. Thomson, M.V. Woodward

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ABSTRACT

Current meter data from the west coast of Vancouver Island for the years 1979-81 are summarized. Temperature and salinity measurements coincident with the current observations are also shown. Tidal data from both onshore and offshore pressure gauges are given in Part 1.

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HARMONIC ANALYSES	

Station	Depth		Start Time				Length	
	Metres	Min	Hr	Day	Mo	Yr		
CZ3	50	00	11	19	05	79	362	14
CZ3	100		11	19	05	79	362	16
CZ4	50		16	10	10	79	335	20
CZ4	100		16	10	10	79	335	20
CZ4	250		16	10	10	79	335	22
CZ4	500		16	10	10	79	335	24
CB1	50		17	14	06	80	354	26
CB1	100		17	14	06	80	354	28
E01	85		15	22	09	79	357	30
E02	122		16	15	09	79	366	32
E03	315		11	03	08	79	366	34
E03	575		21	15	09	79	363	36
E03	775		21	15	09	79	363	38
E04	335		09	12	09	79	366	40
E04	535		09	12	09	79	366	42
E04	1020		00	23	09	79	355	44
E04	1235		09	12	09	79	366	46
E05	64		10	16	09	79	362	48
E05	950		14	09	05	79	375	50
E05	1510		11	16	09	79	362	52

Station	Depth	Start Time				Length	Page
B01	53	30 10	18	09	79	357	54
B01	113		18 11	05	79	375	56
B02	475	30 12	23	09	79	352	58
B02	975	30 12	23	09	79	352	60
B03	525	30 21	23	09	79	375	62
B02	965		12 11	05	79	364	64
PRESSURE GAUGES							
Sheringham		7	19	04	79	375	66
Port San Juan		10	19	04	79	375	67
Effingham Bay		16	19	04	79	375	68
Nootka		9	20	04	79	375	69
Kyuquot		16	20	04	79	375	70
Hunt Islets		16	21	04	79	375	71
Heater Harbour		13	22	04	79	375	72
E1		13	22	09	79	357	73
E2		12	07	05	80	131	74
E3A		18	09	05	79	126	75
E5		16	08	05	80	127	76
CZ3		9	10	06	81	84	77

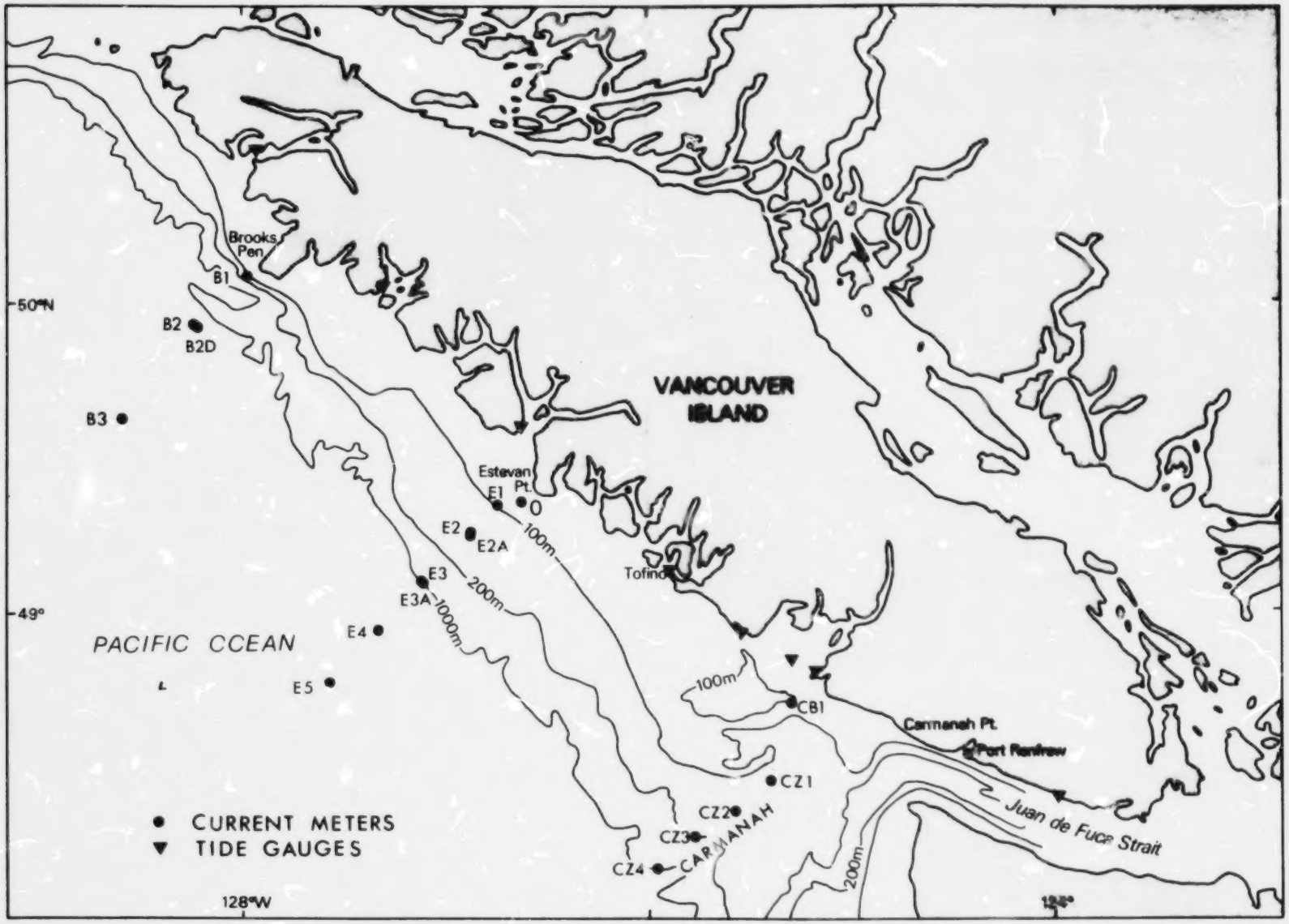

Fig. 1 Positions of current meter moorings and subsurface pressure gauges.

Introduction

The data collected in this report was part of the Coastal Ocean Dynamics Experiment (CODE) which ran for the period May, 1979 to September, 1980. Three stations were extended to June, 1981, and were part of SuperCODE, a continuation of CODE. All pressure gauge data both on-shore and off-shore are in Volume 1 along with all data analyses from those time series that are over a year in length. The current data has been divided into Volumes (2-5) with Volume 5 split into parts A and B. Each Volume contains one deployment of moorings from each of three lines: Estevan Point (E), Brooks Peninsula (B) and Coastal Zone's (CZ). The line CZ, which was serviced at a different time by another group at I.O.S., has been added to the appropriate Volume.

Instrumentation

All moorings were standard I.O.S. shelf moorings using 1/4" galvanized steel wire, steel or aluminum floatation top and bottom and an acoustic release to drop the anchor and retrieve the mooring. In depths greater than 500m Kevlar was used instead of wire, and glass balls were used for the bottom floatation.

The majority of instruments were Aanderaa RCM4s and the remainder were updated CMDR current meters (3) and Geodyne 850s (6). Table 1 shows a modified deployment list where only those records that were usable are listed. All instruments are Aanderaa RCM4s unless otherwise noted, and those shown with pressure sensors had the standard temperature (0-20 degrees) and conductivity (0-77 mmho/cm) sensors. On Aanderaa meters without pressure sensors, temperature had standard and expanded scales on separate channels with the expanded reading from 0-8, 4-12 or 8-16 degrees depending on the depth that the current meter was deployed. Expanded conductivity means that the sensitivity of the cell was expanded to read between 28mmho/cm and 43mmho/cm. Aanderaa instruments on the CZ line had standard temperature and conductivity sensors. Missing records, noted in Table 2, are attributed to several causes: mooring entangled by fishing nets, instrument filled with water when a conductivity cell leaked, low battery voltage, instruments not turned on or broken or jammed rotors. Only the CZ line experienced difficulty with fish boats cutting the mooring wire. Geodyne current meters were used on E and B lines only, and were generally unreliable due to the high stall-speed of the rotor plus battery and electronics failures.

In all, there were 41 current meters and 5 pressure gauges on the moorings, and a further 8 pressure gauges or float

gauges installed along the Vancouver Island coast from Sheringham Point in Juan de Fuca Strait to the Hunt Islets near Winter Harbour.

On the mooring cruises, and on an additional two cruises, a total of 437 CTD stations were observed using a 8700-series Guildline CTD coupled to a 2100-series HP computer, digitized at a rate of 10 samples per second with a nominal descent rate of 1 m/sec and stored on 9-track magnetic tape. Dissolved oxygen samples were also taken at designated stations and analysed on board the ship. These data may be had from Canadian Data Report of Hydrography and Ocean Sciences No. 23 (3 volumes).

Data Processing

The first processing done on the current data is a time check. Time of start, in water, out of water and time off are all checked and the number of records expected computed and checked against the number of records obtained. The speed and direction are then computed from, in the case of speeds, the formula supplied by the manufacturer of the instrument, and in the case of directions, the corrections obtained from swinging the compass prior to deployment. The six channels are then viewed on the computer, and, through an inter-active program, bad data points are identified and replaced with linearly interpolated values. The speeds are then resolved into East-West and North-South components as a further check that all spikes have been removed. The temperature, conductivity and pressure channels are then computed into engineering units, and the current vectors are computed by combining the mean of two successive direction samples with the average speed measured between these two direction samples, and then combining vectorially two successive vectors to obtain the data at the required time interval. The edited data are then archived. Prior to harmonic analysis for tidal constituents small gaps in the data (i.e. from servicing the current meters) are filled with null records.

Commentary

One of the more surprising facts of the survey was the diurnal nature of the currents on the shelf. In all other areas of the B.C. coast the currents are mixed, predominantly semi-diurnal. On the shelf off the west coast of Vancouver Island, diurnal-period shelf waves were found to be present which are the cause of the large diurnal currents. Off the shelf the currents are mainly semi-diurnal. The currents are also seasonal in that in the summer a southeasterly flow is experienced between five and

fifteen miles off La Perouse Bank. This flow is present from April to September and coincides with the prevailing northwest winds at that time of year. It has also been shown from drift buoy studies that SE to SW winds during the summer months increase dramatically the northwesterly flow of the current over the shelf. The near inshore currents, within ten miles of the coast, tend to flow to the NW with the Vancouver Island Coastal current but are influenced by the tidal flows into and out of the inlets along the coast. Also, to back up the current meter data, drift buoy studies show that the currents further off-shore (60 miles) tend to flow to the NW. There is also a prominent gyre (the Juan de Fuca Eddy) centred about 25 miles west of Cape Flattery, where the NW'ly current on the north side of the gyre averages over one knot. Off Brooks Peninsula during the summer months the coastal current is forced off-shore to round the peninsula resulting in the current splitting into two parts, one part going around the peninsula and carrying on up the coast, and the other part turning SE to flow back along the edge of the shelf.

The currents along the coast are coherent and events may be seen progressing along the shelf from the SE, whereas currents over the shelf and normal to the coast line are not coherent. In general during the winter months the current over the entire coast flows in a northwesterly direction, and during SE or SW gales the current over the shelf increases to over 2 knots.

For a more detailed explanation of the currents off the west coast of Vancouver Island see "References".

Subsurface Pressure Measurements

At several protected coves along Juan de Fuca Strait and the west coast of Vancouver Island subsurface pressure recorders were placed by divers. They were first deployed in April, 1979 using the fishing vessel Ocean King. Each gauge, held in place by a cement anchor, was placed at a nominal depth of 10 metres on bedrock, clear of ocean waves and swell. Details of these gauges and positions are noted in Table 2.

Four of the gauges had sensors with sufficient precision, accuracy and stability that the low frequency signals can be compared with each other. In Figure 2 the low-pass signals (half power at 40 hours, 95% passed at 48 hours) are plotted versus time. Each line is offset vertically from its neighbour by a distance shown on the left axis. The individual mean over a common 14 month period was subtracted from each record prior to plotting. Generally, sea-level is higher at the southern stations in summer, and lower in

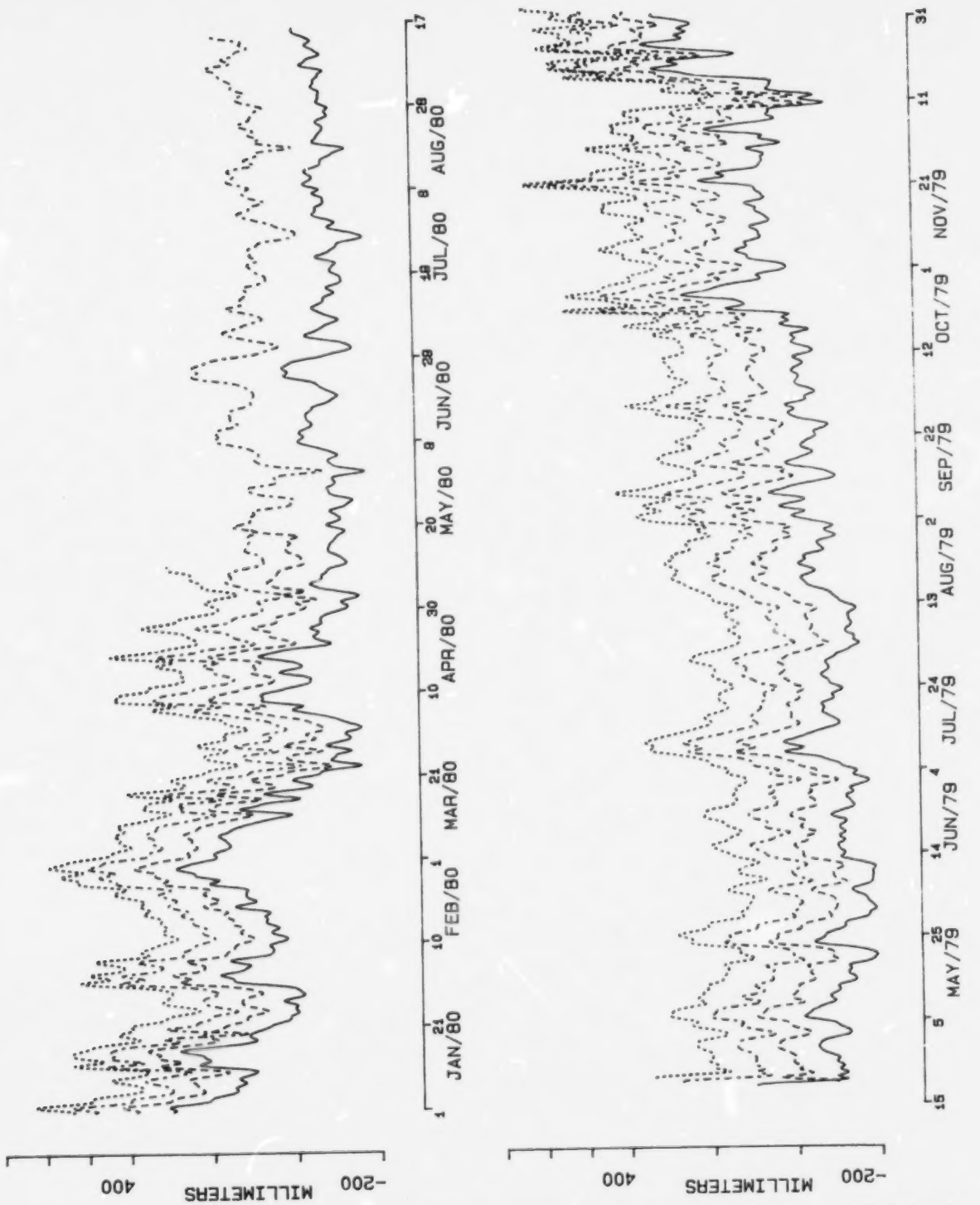

Fig. 2 Subsurface pressure records at four gauges along the west coast of Vancouver Island. Signals have been passed through a two-day low-pass filter. Vertical scale true for Effingham. Northern records are offset by increments of 100 mm.

winter; therefore the seasonal current to the north in winter and south in summer tends to flow "uphill".

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NOTE:

Constituents are included in the tidal analyses if they differ in period from a neighbouring, larger constituent by more than one cycle over the length of the record. Foreman (1978) refers to this as a Rayleigh coefficient of 1.0, and presents tables of constituents included for various record lengths. P1 and K2 are only included in short analyses if the Rayleigh coefficient is less than one, and their amplitudes and phases are inferred from K1 and S2 respectively using ratios from longer time series using the algorithm of Foreman (1978).

Amplitudes and phases are listed for every computed constituent, regardless of the expected physical cause of the water motion. Large amplitude constituents (M2,S2,K1) are generated by astronomical tidal forcing. The average (Z0) and seasonal currents (SA,SSA) are driven by the annual cycle of wind and heat, and are seasonally constant from year to year. The monthly (Mm,Msm) and fortnightly Mf,Msf) currents are likely driven by local storms rather than the tide, and one cannot expect their phases to remain constant in time. In the semi-diurnal and diurnal groups, many of the smaller constituents will be driven by mechanisms other than direct tidal forcing. The noise level of these tides (the smallest amplitude constituent which can be believed) will be greater than a common level observed among the smallest constituents in each of the semi-diurnal and diurnal groups. At mooring E01, 85m, this noise level is typically 0.7 cms/sec in the diurnal group, 0.3 cms/sec in the semi-diurnal group, 0.2 cms/sec in the terdiurnal group. Constituents at or below these levels should not be used in tidal predictions. These noise levels may vary over the shelf, and especially between shelf and deep ocean waters.

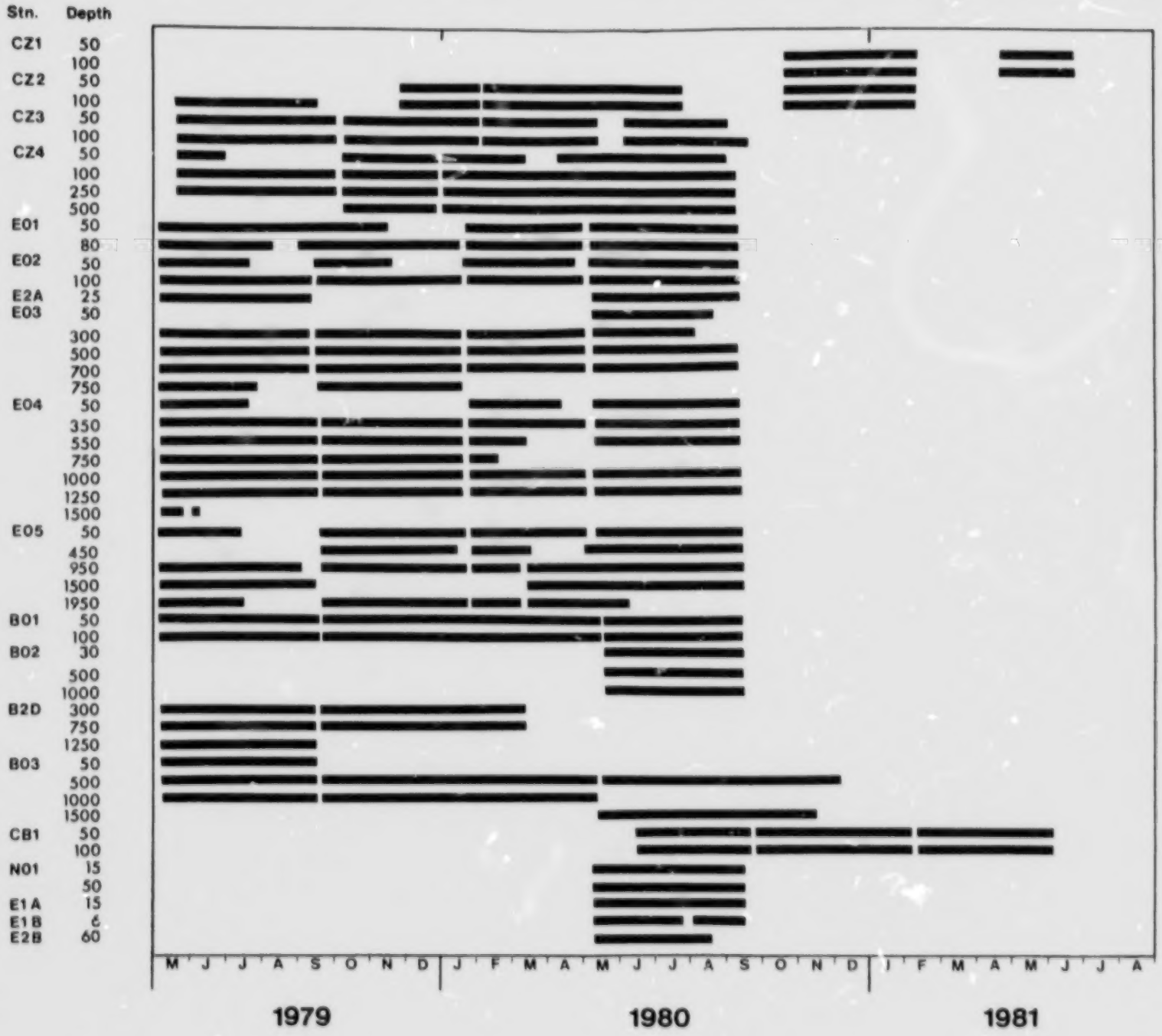

Table 1. The periods of deployment and depths of all current meters on all moorings used.

TABLE 2

CZ1	50	Nov. - Apr./80	146)	H.A.	RCM4 Standard ranges
	50	Apr. - Jly./80	94)		
	50	Oct. - Feb./81	109	H.A.	
	100	Nov. - Apr./80	146)	H.A.	
	100	Apr. - Jly./80	94)		
	100	Oct. - Feb./81	108	H.A.	
CZ2	50	Nov. - Feb./80	69)		
	50	Feb. - Jly./80	169)	H.A.	
	50	Oct. - Feb./81	107		
	100	May - Sept./79	121		
	100	Nov. - Feb./80	69)		
	100	Feb. - Jly./80	169)	H.A.	
	100	Oct. - Feb./81	107		
CZ3	50	May - Oct./79	136)		
	50	Oct. - Feb./80	117)	H.A.	
	50	Feb. - May /80	97)		
	50	June -Sept./80	84		
	100	May - Oct./79	136)		
	100	Oct. - Feb./80	117)	H.A.	
	100	Feb. - May /80	97)		
	100	June -Sept./80	99		
	200	June -Sept./80	99	H.A.	
CZ4	70	May - Jly./79	43		
	50	Oct. - Feb./80	117)		
	50	Feb. - June/80	124)	H.A.	
	50	June- Sept./80	99)		
	120	May - Oct./79	136		
	100	Oct.- Feb./80	117)		
	100	Feb.- June/80	124)	H.A.	
	100	June- Sept./80	99)		
	270	May - Oct./79	136		
	250	Oct.- Feb./80	117)		
	250	Feb.- June/80	124)	H.A.	
	250	June- Sept./80	99)		
	500	Oct. - Feb./80	112)		
	500	Feb. - June/80	124)	H.A.	
	500	June- Sept./80	99)		
CB1	50	June- Sept./80	97)		
	50	Sept.- Feb./81	135)	H.A.	
	50	Feb. - June/81	116)		
	100	June -Sept./80	97)		
	100	Sept.- Feb./81	135)	H.A.	
	100	Feb. - June/81	116)		
NO1	15	May - Jly./80	65		
	48	May -Sept./80	129	H.A.	

E01	55	May - Oct./79	156)		pressure 0-1000 psi
	46	Sept.- Nov./79	55	H.A.)	pressure 0-1000 psi
	45	Jan. - May /80	100	)	pressure 0-1000 psi
	45	May -Sept./80	129	H.A.)	pressure 0-1000 psi
	89	May - Aug./79	95		Rotor bearing with Expanded cond. and temp.
	85	Sept.- Jan./80	117)		Expanded temp. and cond.
	84	Jan. - May/80	100)	H.A.	Expanded temp. and cond.
	81	May -Sept./80	129)		Expanded temp. and cond.
E1A	15	May -Sept./80	129	H.A.	CMDR. Expanded temp.
E1B	6	May - Jly./80	79)		Geodyne. Break in record-poor bits.
	6	Jly. -Sept./80	44)	H.A.	
E02	50	May - Jly./79	79		Geodyne. Battery run down
	49	Sept.- Nov./79	65		Geodyne. Battery run down
	49	Jan. - Apr./80	93)		Expanded temp and cond.
	45	May -Sept./80	131)	H.A.	Pressure 0-500 psi
	100	May -Sept./79	129		Expanded temp. and cond.
	122	Sept.- Jan./80	124)		Expanded temp. and cond.
	118	Jan. - May/80	100)	H.A.	Expanded temp. and cond.
	116	May -Sept./80	131)		Expanded temp. and cond.
E2A	26	May -Sept./79	126	H.A.	CMDR. Expanded temp.
	15	May -Sept./80	131	H.A.	CMDR. Expanded temp.
E2B	60	May -Aug./80	102	H.A.	CMDR Expanded temp.
E03	63	Jan. -Mar./80	54	H.A.	Pressure 0-1000 psi-Encloder jammed
	55	May -Aug./80	108	H.A.	Pressure 0-1000 psi-Low Battery
	315	May -Sept./79	127		Pressure 0.500 psi
	375	Sept.-Jan./80	125)		Pressure 0.500 psi
	358	Jan. - May/80	100)	H.A.	Expanded temp. and cond.
	350	May -Aug./80	88)		Geodyne. Battery run down
	575	Sept.-Jan./80	125)		Expanded temp. and cond.
	558	Jan. - May/80	101)	H.A.	Expanded temp. and cond.
	555	May -Sept./80	128)		Expanded temp. and cond.
	775	Sept.-Jan./80	125)		Expanded temp. and cond.
	755	Jan.- May/80	101)	H.A.	Expanded temp. and cond.
	750	May -Sept./80	128)		Expanded temp. and cond.
E3A	750	May - Jly./79	81	H.A.	Expanded temp. and cond. Battery run down
	750	Sept.-Jan./80	124	H.A.	Expanded temp. and cond.

E04	40	May - Jly./79	77		Geodyne. Battery run down
	50	May -Sept./80	125	H.A.	Geodyne. 2 good 2 bad records a tn.
	84	Jan.- Apr./80	79		Geodyne last records inconsistent
	335	May - Oct./79	136)		Pressure 0-1000 psi
	370	Sept.-Jan./80	118)	H.A.	" " "
	378	Jan.- May /80	101)		" " "
	350	May- Sept./80	127)		" " "
	535	May - Oct./79	136))	H.A.	Expanded temp. and pressure
	570	Sept.-Jan./80	118))		" " " "
	578	Jan. -Mar./80	50	H.A.	" " rotor missing
	550	May -Sept./80	127)		" " " cond.
	735	May - Oct./79	136)		" " " cond.
	770	Sept.-Jan./80	118)		" " " "
	755	Jan. -Feb./80	31)		" " " water in case
	1020	Sept.-Jan./80	118)		Expanded temp. and cond.
	1028	Jan. -May /80	107)	H.A.	" " " "
	1000	May -Sept./80	127)		" " " "
	1235	May -Oct./79	136)		" "
	1270	Sept.-Jan./80	118)	H.A.	" "
	1278	Jan. - May/80	101)		" " " cond.
	1250	May -Sept./80	127)		Expanded temp. and cond.
	1485	May - Jly./79	61		Geodyne battery run down
E05	5	May - Jly./79	64	H.A.	Pressure 0-500 psi barnacks on rotor
	64	Sept.-Jan./80	124)		Pressure 0-500 psi
	63	Jan. - May/80	101)	H.A.	" " "
	55	May -Aug./80	114)		" " speeds low at end
	153	May -Sept./80	123	H.A.	Expanded temp. and cond.
	450	May -Sept./79	125		Pressure 0-1000 psi
	513	Sept.-Jan./80	118)	H.A.	Geodyne
	510	Jan. -Mar./80	57)		Geodyne. Time word incorrect after 2753
	950	May -Sept./79	117)		Expanded temp. and cond.
	1010	Sept.-Dec./79	89)	H.A.	" " " " speed converter stuck
	1010	Jan. -May /80	101)		Expanded temp. and cond.
	1000	May -Sept./80	127)		" " " "
	1510	Sept.-Jan./80	124)		Expanded temp. and cond.
	1510	Jan. -May /80	101)	H.A.	" "
	1500	May -Sept./80	127)		" "
	1950	May - Jly./79	54		Geodyne. 2 good 2 bad speeds alt n.
	2000	May - June/80	27	H.A.	Geodyne. Speeds stopped after 34 days

B01	53	Sept. -May/80	234)		Pressure 0-500 psi
	50	May -Sept./80	121)	H.A.	CMDR. Expanded temp.
	113	May -Sept./79	129)		Expanded temp. and cond.
	111	Sept. -May/80	234)	H.A.	Expanded temp. and cond.
	106	May -Sept./80	121)		" " " "
B2D	295	May -Sept./79	128	H.A.	Pressure 0-500 psi
	740	May -Sept./79	128	H.A.	Expanded temp. and cond.
	1240	May -Sept./79	128	H.A.	" " " "
B02	30	May -Sept./80	120	H.A.	Pressure 0-500 psi
	475	Sept.-May /80	229)		Expanded temp. and cond.
	488	May -Sept./80	120)	H.A.	" " " "
	975	Sept.- May/80	229)		" " " "
	988	May -Sept./80	120)	H.A.	" " " "
B03	20	May -Sept./79	128	H.A.	Pressure 0-500 psi
	465	May -Sept./79	128	H.A.	Expanded temp. and cond.
	525	Sept.- May/80	228)		Pressure 0-1000 psi
	500	May -Dec./80	206)	H.A.	Pressure 0-1000 psi tape run out
	965	May -Sept./79	128		Expanded temp. and cond.
	1025	Sept.-May /80	228	H.A.)	Expanded temp. and cond.
	1500	May -Nov./80	186	H.A.)	" " " battery run down

H.A. - Harmonic Analysis given.

PRESSURE GAUGES

Sheringham Point	48°22.5N 123°55.1W	AM 12A	100 psi
Port San Juan	48°32.7N 124°28.8W	AM 12A	100 psi
Effingham Bay	48°52.5N 125°18.1W	AM 750A	45 psi
Nootka Sound	49°37.3N 126°36.9W	AM 750A	45 psi
Kyuquot Sound	50°07.3N 127°21.2W	AM 750A	45 psi
Quatsino Inlet (Hunt Islets)	50°28.4N 128°01.9W	AM 750A	400 psi
Heater Harbour (Q.C.I.)	52°07.2N 131°02.0W	AM 750A	400 psi
Utah Mines (Barometric)	50°36.0N 127°34.7W	AA 1A	70 psi
Nootka Light (Barometric)	49°35.6N 126°36.8W	AA 1A	400 psi
CZ3	48°15.7N 125°45.6W	AA TGAA	400 psi
E1	49°21.0N 126°45.6W	AA TG12A	400 psi
E2	49°16.2N 126°52.7W	AA TG12A	400 psi
E3	49°06.4N 127°08.6W	AM 750A	5000 psi
E5	48°46.9N 127°35.5W	AM 750A	5000 psi

AM - Applied Microsystems Ltd.

AA - Aanderaa Instruments Ltd.

Pressure Sensors Paroscientific

TIDAL CURRENT ELLIPSE

Stn CZ3 Depth 0050m PACHENA POINT 48 15.7 N 125 46.2 W

Starting time of analysed data 00 Min 11 Hr 19 Day 05 Mon 79 Yr PST
Length of Data 362 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	2.6	0.0	6.6	360.0
SSA	1.9	.2	169.2	240.3
MSM	2.9	.7	120.6	204.5
MM	2.2	0.0	136.1	306.2
MSF	2.4	-.2	132.7	344.6
MF	2.2	.3	83.5	239.8
ALP1	.2	0.0	26.0	57.9
2Q1	.2	-.1	58.9	121.6
SIG1	.2	.1	139.3	202.3
Q1	.5	-.1	141.6	251.0
RHO1	.4	-.2	85.7	288.7
O1	2.6	-1.8	151.5	272.6
TAU1	.3	-.1	21.2	111.8
BET1	.3	0.0	16.5	148.6
NO1	.6	-.3	16.0	73.7
CHI1	.5	-.1	107.9	243.8
P1	1.4	-1.1	173.4	256.3
K1	4.6	-4.1	158.8	269.8
PHI1	.2	-.1	91.2	6.6
THE1	.3	-.2	6.1	336.2
J1	.8	-.5	170.4	276.3
SO1	.3	.1	157.1	119.5
OO1	.7	-.4	1.0	148.7
UPS1	.5	-.2	90.5	99.0
OQ2	.5	.1	38.2	288.6
EPS2	.5	-.1	4.1	24.4
2N2	.5	-.2	91.6	240.4
MU2	.6	-.5	171.4	124.3
N2	1.4	-1.1	87.5	285.3
NU2	.5	-.3	127.4	245.0
M2	3.7	-2.5	130.5	301.0
MKS2	1.2	-1.0	139.9	183.5
LDA2	.4	-.2	42.1	198.9
L2	.4	-.1	109.7	284.4
S2	1.1	-.9	84.2	342.9
K2	.5	-.3	44.7	44.0
MSN2	.5	-.2	168.0	319.7
ETA2	.5	-.3	130.3	310.6
MO3	.2	.1	169.2	152.7
M3	.2	-.1	31.9	40.9
SO3	.2	-.1	135.1	153.7
MK3	.2	0.0	149.	100.6
SK3	.2	-.2	11.9	278.1
MN4	.3	0.0	47.6	251.1
M4	.4	-.3	42.1	325.6
SN4	.4	-.1	25.9	50.9
MS4	.3	-.1	25.7	330.5
MK4	.5	0.0	23.8	357.6
S4	.1	.1	136.5	222.7
SK4	.2	.1	19.0	186.1

Continued

Stn CZ3 Depth 0050m PACHENA POINT 48 15.7 N 125 46.2 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	-.1	161.0	211.4
2SK5	.2	-.1	33.3	200.9
2MN6	.1	0.0	95.3	147.4
M6	.3	-.1	62.3	221.6
2MS6	.2	0.0	45.1	156.3
2MK6	.6	0.0	72.3	221.5
2SM6	.2	0.0	34.5	324.9
MSK6	.3	.1	54.4	327.7
3MK7	.1	-.1	90.2	202.2
M8	.1	0.0	70.4	71.2

TIDAL CURRENT ELLIPSE

Stn CZ3 Depth 0100m PACHENA POINT 48 15.7 N 125 46.2 W

Starting time of analysed data 00 Min 11 Hr 19 Day 05 Mon 79 Yr PST
Length of Data 362 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.5	0.0	44.9	360.0
SSA	1.4	-.4	144.7	286.9
MSM	2.4	-.2	119.5	193.5
MM	2.7	-.1	138.6	309.0
MSF	2.7	0.0	130.7	349.0
MF	3.1	-.2	122.3	228.4
ALP1	.3	-.1	146.7	317.1
2Q1	.5	-.1	84.5	189.2
SIG1	.1	-.1	109.0	278.0
Q1	.6	-.3	.1	70.6
RHO1	.2	.1	91.1	96.5
O1	2.1	-1.9	91.5	336.4
TAU1	.4	-.1	.4	95.4
BET1	.2	0.0	51.0	151.4
NO1	.4	-.1	109.7	265.5
CHI1	.4	-.1	95.3	59.7
P1	1.1	-.8	17.1	65.3
K1	4.4	-4.1	131.1	308.3
PHI1	.6	-.4	49.5	51.8
THE1	.5	-.3	142.3	245.0
J1	.4	-.3	141.4	324.3
SO1	.3	-.1	157.7	342.5
OO1	.4	-.1	89.4	12.1
UPS1	.3	0.0	175.6	254.1
OQ2	.3	.2	176.9	148.8
EPS2	.3	-.1	158.5	231.1
2N2	.2	0.0	65.8	3.9
MU2	.5	-.3	69.9	10.1
N2	1.0	-.8	53.7	42.7
NU2	.4	-.2	70.1	177.7
M2	4.0	-3.0	101.4	348.4
MKS2	.5	0.0	94.8	53.4
LDA2	.6	-.4	112.3	193.7
L2	.6	-.4	38.2	132.8
S2	2.5	-1.8	109.1	324.3
K2	1.1	-.7	104.4	29.0
MSN2	.3	-.2	1.4	185.2
ETA2	.8	-.5	100.4	147.3
MO3	.1	.1	13.3	52.3
M3	.3	-.2	88.3	225.8
SO3	.1	0.0	102.7	185.0
MK3	.1	0.0	86.4	136.7
SK3	.4	0.0	88.5	209.0
MN4	.4	0.0	49.5	9.5
M4	.3	-.2	174.0	47.9
SN4	.1	0.0	49.4	294.9
MS4	.2	-.1	13.9	107.0
MK4	.2	0.0	146.6	312.1
S4	.3	.1	177.0	340.1
SK4	.4	0.0	68.0	248.8

Continued

Stn CZ3 Depth 0100m PACHENA POINT 48 15.7 N 125 46.2 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	133.9	75.1
2SK5	.3	0.0	29.5	172.5
2MN6	.1	0.0	154.4	334.1
M6	.1	0.0	85.4	268.5
2MS6	.1	.1	62.2	302.9
2MK6	.2	0.0	102.6	351.9
2SM6	.2	0.0	159.0	125.7
MSK6	.1	0.0	110.0	193.1
3MK7	.1	0.0	26.5	169.5
M8	.2	-.1	45.4	355.3

TIDAL CURRENT ELLIPSE

Stn CZ4 Depth 0050m PACHENA POINT 48 11.4 N 125 55.1 W

Starting time of analysed data 00 Min 16 Hr 10 Day 10 Mon 79 Yr PST
Length of Data 335 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	2.3	0.0	103.3	360.0
SSA	6.4	.3	121.3	288.0
MSM	.7	-.1	61.5	74.5
MM	1.8	.6	97.2	3.4
MSF	2.1	-.8	131.9	56.5
MF	1.5	-1.1	105.9	239.0
ALP1	.3	-.2	48.6	202.5
2Q1	.4	-.1	155.3	289.8
SIG1	.4	.1	175.5	292.7
Q1	.6	-.6	117.2	334.4
RHO1	.9	-.4	85.4	350.9
O1	1.1	-.7	65.5	339.1
TAU1	.2	0.0	150.5	21.2
BET1	.4	0.0	3.5	187.9
NO1	.4	-.3	168.9	249.3
CHI1	.4	-.2	22.0	19.5
P1	.9	-.5	43.3	41.0
K1	2.8	-1.7	44.5	24.6
PHI1	.1	0.0	60.8	40.2
THE1	.3	0.0	64.8	261.4
J1	.7	-.2	81.4	290.8
SO1	.3	0.0	39.4	290.2
OO1	.5	-.2	11.1	228.0
UPS1	.3	0.0	16.3	163.7
OQ2	.4	.1	109.1	297.6
EPS2	.6	-.3	92.1	285.1
2N2	.7	-.6	31.0	289.4
MU2	.5	-.2	31.6	278.3
N2	.7	-.3	57.8	2.2
NU2	.3	-.1	20.6	317.7
M2	1.8	-.8	41.3	185.7
MKS2	1.4	-1.2	173.9	359.1
LDA2	.8	-.5	170.2	138.9
L2	1.4	-1.3	175.6	117.6
S2	2.8	-1.7	65.4	333.2
K2	.8	-.6	55.3	341.9
MSN2	.4	-.2	40.7	302.0
ETA2	.9	-.3	169.0	100.2
MO3	.3	-.1	104.4	97.0
M3	.3	-.2	124.9	210.5
SO3	.3	.1	165.8	36.9
MK3	.3	-.1	91.3	113.4
SK3	.3	-.1	70.1	286.9
MN4	.1	0.0	27.1	4.2
M4	.6	-.2	43.0	274.3
SN4	.4	-.4	165.7	118.5
MS4	.5	-.2	6.0	223.3
MK4	.3	-.2	161.2	58.9
S4	.2	0.0	36.6	90.5
SK4	.3	0.0	34.1	122.5

Continued

Stn CZ4 Depth 0050m PACHENA POINT 48 11.4 N 125 55.1 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	.1	15.4	11.2
2SK5	.1	.1	48.5	267.0
2MN6	.2	0.0	71.5	59.0
M6	.2	0.0	46.4	167.7
2MS6	.2	0.0	100.7	9.7
2MK6	.4	-.1	97.4	336.6
2SM6	.2	.1	17.2	353.2
MSK6	.3	.1	6.0	334.4
3MK7	.1	-.1	105.9	221.8
M8	.1	.1	100.7	276.5

TIDAL CURRENT ELLIPSE

Stn CZ4 Depth 0100m PACHENA POINT 48 11.4 N 125 55.1 W

Starting time of analysed data 00 Min 16 Hr 10 Day 10 Mon 79 Yr PST
Length of Data 335 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	4.8	0.0	101.7	360.0
SSA	4.8	-.4	124.2	270.1
MSM	1.1	.1	138.7	253.0
MM	2.3	.1	131.6	354.7
MSF	.9	-.6	137.4	22.8
MF	1.9	-.5	115.9	242.1
ALP1	.3	0.0	4.1	349.3
2Q1	.2	-.1	24.1	120.8
SIG1	.3	0.0	157.3	316.5
Q1	.2	0.0	104.4	260.9
RHO1	.3	0.0	162.8	12.7
O1	.8	-.3	63.9	348.4
TAU1	.2	.1	90.8	221.1
BET1	.4	-.2	30.2	29.4
NO1	.1	0.0	116.1	33.9
CHI1	.4	-.2	35.2	16.5
P1	.5	-.1	51.3	34.1
K1	2.2	-1.2	50.3	32.7
PHI1	.2	0.0	61.5	9.4
THE1	.3	.1	165.3	358.5
J1	.3	0.0	153.4	292.5
SO1	.3	.1	151.6	53.1
OO1	.6	-.4	106.0	352.2
UPS1	.5	-.2	173.8	150.6
OQ2	.4	-.4	145.8	2.9
EPS2	.2	-.1	95.2	54.9
2N2	.4	-.3	148.5	207.4
MU2	.2	0.0	166.2	187.8
N2	.8	-.4	72.3	316.1
NU2	.3	.1	24.9	284.3
M2	.7	.2	158.0	314.5
MKS2	1.8	-1.5	71.6	88.3
LDA2	.8	-.6	109.0	48.3
L2	.7	-.4	160.6	64.6
S2	2.0	-1.3	81.0	339.6
K2	.6	-.1	25.3	279.6
MSN2	.3	0.0	99.6	282.1
ETA2	.7	-.5	88.8	24.5
MO3	.2	-.2	148.2	27.8
M3	.3	0.0	44.1	353.7
SO3	.1	0.0	112.2	356.4
MK3	.2	0.0	116.8	40.8
SK3	.1	0.0	138.1	84.0
MN4	.2	0.0	124.2	272.5
M4	.1	-.1	94.6	206.7
SN4	.4	-.2	48.8	267.3
MS4	.2	-.1	45.4	202.7
MK4	.2	.1	128.2	75.7
S4	.2	0.0	14.5	157.2
SK4	.2	0.0	78.8	171.9

Continued

Stn CZ4 Depth 0100m PACHENA POINT 48 11.4 N 125 55.1 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.2	-.1	128.5	276.7
2SK5	.1	0.0	63.5	76.8
2MN6	.2	-.1	70.6	1.9
M6	.1	0.0	75.9	145.1
2MS6	.1	0.0	55.4	283.6
2MK6	.1	0.0	33.9	230.8
2SM6	.1	0.0	48.9	8.0
MSK6	.1	0.0	57.9	212.3
3MK7	.1	0.0	73.7	211.9
M8	.1	0.0	105.6	12.6

TIDAL CURRENT ELLIPSE

Stn CZ4 Depth 0250m PACHENA POINT 48 11.4 N 125 55.2 W

Starting time of analysed data 00 Min 16 Hr 10 Day 10 Mon 79 Yr PST
Length of Data 335 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.7	0.0	101.6	360.0
SSA	4.9	-.7	128.3	228.2
MSM	1.4	.3	60.0	177.0
MM	1.9	-.6	149.8	358.9
MSF	.9	0.0	21.4	114.4
MF	1.6	.1	117.9	234.2
ALP1	.2	0.0	33.6	140.1
2Q1	.2	0.0	174.6	163.3
SIG1	.1	0.0	44.7	82.0
Q1	.2	-.1	71.1	50.5
RHO1	.3	-.1	110.4	45.2
O1	.5	-.2	55.8	349.9
TAU1	.2	.1	63.9	318.8
BET1	.2	0.0	68.1	316.6
NO1	.2	-.1	39.5	34.1
CHI1	.2	-.1	167.9	217.4
P1	.5	-.1	60.7	42.9
K1	1.4	-.2	51.1	27.2
PHI1	.2	0.0	153.7	125.9
THE1	.4	-.2	69.1	62.4
J1	.1	0.0	19.3	13.5
SO1	.1	0.0	136.4	1.5
OO1	.3	-.2	119.6	113.0
UPS1	.3	-.1	27.3	143.4
OQ2	.1	.1	94.4	223.5
EPS2	.3	-.2	122.0	175.0
2N2	.3	-.1	176.0	47.2
MU2	.3	-.1	49.0	305.8
N2	.7	-.3	113.6	333.7
NU2	.3	0.0	138.4	356.5
M2	2.5	-1.7	113.9	341.6
MKS2	1.2	-.5	110.3	60.0
LDA2	.5	-.3	89.9	264.1
L2	.5	-.4	51.4	95.1
S2	1.1	-.4	116.9	353.9
K2	.4	0.0	125.5	28.0
MSN2	.3	-.1	47.7	131.5
ETA2	.3	-.2	11.8	63.7
MO3	.1	0.0	148.5	5.7
M3	.1	-.1	21.9	13.3
SO3	.2	0.0	44.4	33.2
MK3	.2	0.0	7.4	214.3
SK3	.1	0.0	27.8	132.1
MN4	.1	0.0	85.8	303.5
M4	.1	0.0	173.3	236.5
SN4	.1	0.0	1.4	81.4
MS4	.1	0.0	25.5	336.4
MK4	.1	0.0	166.6	130.2
S4	.1	0.0	104.7	182.2
SK4	.1	-.1	59.9	177.2

Continued

Stn CZ4 Depth 0250m PACHENA POINT 48 11.4 N 125 55.2 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	142.5	215.7
2SK5	0.0	0.0	123.4	175.1
2MN6	.1	0.0	19.0	223.1
M6	.1	0.0	91.8	71.8
2MS6	.1	0.0	156.1	180.2
2MK6	.1	0.0	119.4	227.9
2SM6	0.0	0.0	90.3	137.0
MSK6	0.0	0.0	119.1	214.9
3MK7	.1	0.0	86.9	96.7
M8	.1	0.0	23.7	277.4

TIDAL CURRENT ELLIPSE

Stn C24 Depth 0500m PACHENA POINT 48 11.4 N 125 55.1 W

Starting time of analysed data 00 Min 16 Hr 10 Day 10 Mon 79 Yr PST
Length of Data 335 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.8	0.0	109.2	360.0
SSA	3.2	-.3	127.5	204.9
MSM	1.1	0.0	99.9	150.5
MM	.9	-.5	175.7	301.1
MSF	.4	-.2	24.3	171.6
MF	.8	0.0	129.3	259.7
ALP1	.1	0.0	58.9	125.3
2Q1	.1	0.0	75.0	29.4
SIG1	.2	0.0	18.1	83.8
Q1	.1	0.0	57.2	105.6
RHO1	.1	0.0	154.6	231.1
O1	.3	.1	68.5	10.5
TAU1	.2	0.0	58.9	282.7
BET1	.2	0.0	106.1	344.1
NO1	.1	0.0	145.5	229.9
CHI1	.1	0.0	139.3	184.3
P1	.3	0.0	53.7	36.0
K1	1.2	.1	49.6	23.4
PHI1	.2	-.1	70.6	150.0
THE1	.3	-.1	92.2	55.5
J1	.2	-.1	59.1	50.1
SO1	.2	-.1	64.6	283.0
OO1	.2	-.1	124.0	31.1
UPS1	.1	.1	62.5	155.3
OQ2	.5	-.4	34.3	318.1
EPS2	.2	-.1	70.0	317.8
2N2	.5	-.4	90.3	323.9
MU2	.6	-.4	138.3	12.7
N2	.5	-.3	117.9	318.2
NU2	.6	-.3	105.9	308.7
M2	2.2	-1.0	85.3	307.4
MKS2	1.1	-.3	96.6	38.7
LDA2	.2	-.1	175.6	333.8
L2	.5	-.3	84.4	355.5
S2	.7	0.0	113.7	353.7
K2	.3	.1	154.9	35.5
MSN2	.2	-.1	118.6	251.6
ETA2	.6	-.3	174.3	127.7
MO3	.1	0.0	139.8	237.6
M3	.1	0.0	50.6	349.0
SO3	.1	-.1	142.5	59.1
MK3	.1	-.1	2.8	29.9
SK3	.1	0.0	121.1	250.2
MN4	.1	0.0	152.1	33.1
M4	.1	0.0	178.7	93.4
SN4	.1	-.1	31.9	9.9
MS4	.1	0.0	53.8	25.7
MK4	.2	0.0	91.3	80.9
S4	.1	-.1	18.1	202.3
SK4	.1	0.0	81.0	122.1

Continued

Stn CZ4 Depth 0500m PACHENA POINT 48 11.4 N 125 55.1 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	14.4	242.0
2SK5	.1	0.0	131.2	332.4
2MN6	.1	0.0	57.7	189.7
M6	.1	0.0	2.9	152.4
2MS6	.1	0.0	152.1	63.3
2MK6	.1	0.0	72.2	240.2
2SM6	.1	-.1	47.6	94.8
MSK6	.2	-.1	134.4	350.5
3MK7	0.0	0.0	162.3	258.8
M8	.1	0.0	81.0	22.7

TIDAL CURRENT ELLIPSE

Stn CB1 Depth 0050m CAPE BEALE 48 43.3 N 125 18.6 W

Starting time of analysed data 00 Min 17 Hr 14 Day 06 Mon 80 Yr PST
Length of Data 354 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	7.5	0.0	146.4	360.0
SSA	2.7	-.2	148.9	292.8
MSM	1.7	-.2	110.5	323.3
MM	4.5	-.3	134.7	76.4
MSF	1.2	-.4	61.6	279.2
MF	.8	-.6	176.4	214.8
ALP1	.4	0.0	8.6	248.4
2Q1	.7	-.4	63.4	258.6
SIG1	.7	-.3	41.3	15.7
Q1	.6	-.3	103.6	276.7
RHO1	.7	.2	5.0	55.5
O1	5.3	-.5	145.6	234.0
TAU1	.5	0.0	112.5	150.9
BET1	.7	-.3	12.0	14.9
NO1	.8	-.2	40.6	75.0
CHI1	.9	-.4	77.6	213.0
P1	3.5	-.4	148.0	271.3
K1	11.1	-1.4	141.4	263.2
PHI1	.5	-.2	2.9	52.9
THE1	.4	-.1	128.6	352.3
J1	.7	-.1	171.4	325.4
SO1	.4	0.0	156.2	37.4
OO1	.5	.1	117.5	241.4
UPS1	.9	-.2	56.8	200.7
OQ2	.4	-.2	141.1	27.7
EPS2	.5	-.2	86.9	136.0
2N2	.8	-.5	167.5	270.5
MU2	.9	-.5	114.9	149.1
N2	2.3	-.4	115.2	238.0
NU2	.4	0.0	120.0	280.1
M2	14.1	-4.3	124.8	273.7
MKS2	1.5	-1.3	61.9	194.7
LDA2	.7	-.5	169.6	338.4
L2	1.5	-.6	177.2	325.4
S2	4.1	-1.5	123.1	291.8
K2	1.2	0.0	142.5	306.5
MSN2	.4	-.2	7.6	285.5
ETA2	.4	.1	70.0	210.8
MO3	.7	-.1	117.5	196.7
M3	.3	.1	53.6	183.0
SO3	.3	.2	13.4	171.1
MK3	.8	-.2	90.1	235.4
SK3	.5	-.2	60.4	308.0
MN4	.2	-.2	151.6	356.0
M4	.5	-.4	159.4	43.3
SN4	.3	-.2	51.5	13.7
MS4	.4	-.2	159.2	65.2
MK4	.3	0.0	91.8	284.5
S4	.2	0.0	6.5	243.3
SK4	.2	-.1	88.9	31.7

Continued

Stn CB1 Depth 0050m CAPE BEALE 48 43.3 N 125 18.6 W

CONSTITUENT NAME	AMPLITUDES (c /sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.2	0.0	58.3	89.9
2SK5	.3	0.0	120.4	305.4
2MN6	.1	0.0	28.1	182.9
M6	.2	-.1	178.0	265.1
2MS6	.2	0.0	108.8	356.7
2MK6	.2	0.0	128.8	31.7
2SM6	.1	-.1	77.1	321.7
MSK6	.2	.1	2.5	320.3
3MK7	.2	-.1	58.3	26.3
M8	.1	0.0	172.2	306.0

TIDAL CURRENT ELLIPSE

Stn CB1 Depth 0100m CAPE BEALE 48 43.3 N 125 18.6 W

Starting time of analysed data 00 Min 17 Hr 14 Day 06 Mon 80 Yr PST
Length of Data 354 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.1	0.0	33.4	180.0
SSA	.7	-.4	131.6	20.4
MSM	1.4	.2	171.3	310.3
MM	2.8	-.7	160.9	55.7
MSF	.8	0.0	83.4	204.8
MF	2.3	-.1	174.1	301.5
ALP1	.4	-.2	60.3	138.5
2Q1	1.9	0.0	169.5	251.2
SIG1	.4	-.2	104.8	48.8
Q1	1.7	-.4	176.4	218.1
RHO1	.3	-.1	46.7	321.5
O1	6.5	-.1	165.4	261.4
TAU1	.5	.4	2.5	23.9
BET1	1.0	-.4	169.1	250.3
NO1	.8	-.2	172.1	168.2
CHI1	.7	-.3	154.5	287.7
P1	3.2	-.8	167.5	288.3
K1	13.9	-1.7	168.9	284.7
PHI1	.8	.6	161.1	37.5
THE1	.7	.4	154.3	97.2
J1	.8	-.1	179.9	245.7
SO1	1.0	-.4	19.2	245.9
OO1	1.1	-.4	162.5	330.2
UPS1	.4	0.0	165.7	148.8
OQ2	.3	-.1	38.0	308.7
EPS2	.4	-.1	11.6	312.0
2N2	.5	-.2	178.1	217.4
MU2	.6	-.2	157.3	170.0
N2	1.9	.3	4.9	115.0
NU2	.4	-.2	135.7	1.5
M2	8.5	2.0	6.4	135.4
MKS2	.7	.2	165.8	153.3
LDA2	.7	.2	17.3	173.9
L2	.7	.5	63.8	203.4
S2	2.2	.6	22.6	166.9
K2	2.0	.4	163.3	290.0
MSN2	.2	.1	163.6	60.4
ETA2	.3	-.1	96.9	188.6
MO3	.8	-.1	179.4	160.2
M3	.5	-.2	169.2	132.1
SO3	1.0	.1	159.1	195.3
MK3	.7	-.1	141.0	128.9
SK3	.4	0.0	17.4	92.6
MN4	.3	-.2	26.6	290.1
M4	1.0	-.3	46.8	358.8
SN4	.2	0.0	177.6	184.5
MS4	.8	-.3	39.2	82.7
MK4	.6	-.1	23.1	273.0
S4	.4	0.0	150.8	210.6
SK4	.3	.2	37.5	297.9

Continued

Stn CB1 Depth 0100m CAPE BEALE 48 43.3 N 125 18.6 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.3	-.3	112.3	44.0
2SK5	.1	.1	120.4	190.4
2MN6	.2	-.1	32.4	275.5
M6	.2	0.0	33.7	224.6
2MS6	.2	-.1	15.9	241.1
2MK6	.2	.1	17.4	52.3
2SM6	.2	0.0	54.2	346.6
MSK6	.3	0.0	140.4	21.0
3MK7	.2	-.1	69.2	210.2
M8	.1	0.0	111.1	174.2

TIDAL CURRENT ELLIPSE

Stn E01 Depth 0085m ESTEVAN POINT 49 21.1 N 126 45.4 W

Starting time of analysed data 00 Min 15 Hr 22 Day 09 Mon 79 Yr PST
Length of Data 357 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	8.4	0.0	134.9	360.0
SSA	2.1	-.3	140.2	170.6
MSM	4.9	0.0	135.2	178.4
MM	2.9	-.1	142.7	288.9
MSF	2.5	.1	128.0	295.9
MF	.7	0.0	137.1	131.3
ALP1	.4	-.1	156.0	39.9
2Q1	.6	-.4	142.0	51.0
SIG1	.4	-.1	129.1	22.8
Q1	1.2	-.1	117.1	353.3
RHO1	.7	.2	112.8	42.6
O1	7.8	-1.4	123.5	11.2
TAU1	.6	.2	112.0	90.7
BET1	.7	-.2	121.7	256.8
NO1	.4	.1	23.4	301.4
CHI1	1.3	-.1	119.7	84.2
P1	4.7	-.7	124.7	39.4
K1	14.9	-1.6	124.0	42.0
PHI1	.7	.1	124.1	39.2
THE1	.9	-.2	116.8	58.6
J1	.9	.1	125.9	87.5
SO1	.5	.2	104.0	216.8
OO1	.8	.2	79.4	28.7
UPS1	1.0	-.1	128.5	314.8
OQ2	.3	-.1	78.0	220.6
EPS2	.5	-.3	134.0	207.0
2N2	.3	-.2	106.8	.7
MU2	.3	0.0	11.1	264.4
N2	.9	.4	39.3	226.4
NU2	.9	-.3	3.6	223.4
M2	3.8	1.1	156.7	17.5
MKS2	1.8	-1.2	68.3	27.1
LDA2	.6	-.4	56.0	259.4
L2	.8	-.4	2.7	207.1
S2	1.7	.1	26.7	266.2
K2	.6	-.2	103.1	253.1
MSN2	.3	-.2	119.6	348.1
ETA2	.3	-.1	93.4	317.7
MO3	.1	0.0	81.5	27.5
M3	.3	-.2	144.3	1.5
SO3	.2	-.1	61.4	8.8
MK3	.2	-.1	50.5	67.3
SK3	.3	-.2	.3	87.0
MN4	.2	-.1	48.7	127.4
M4	.1	0.0	6.1	283.2
SN4	.2	0.0	69.4	109.2
MS4	.2	0.0	63.7	103.6
MK4	.4	0.0	18.1	38.6
S4	.1	0.0	104.0	301.9
SK4	.1	0.0	78.5	107.1

Continued

Stn E01 Depth 0085m ESTEVAN POINT 49 21.1 N 126 45.4 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	6.2	321.8
2SK5	.1	0.0	30.5	304.1
2MN6	.1	0.0	47.4	256.8
M6	.1	0.0	32.3	150.8
2MS6	.2	0.0	38.5	267.3
2MK6	.1	0.0	49.5	357.2
2SM6	0.0	0.0	51.0	343.2
MSK6	.2	-.1	23.9	293.2
3MK7	0.0	0.0	99.9	326.8
M8	0.0	0.0	133.7	225.0

TIDAL CURRENT ELLIPSE

Stn E02 Depth 0122m ESTEVAN POINT 49 16.3 N 126 52.4 W

Starting time of analysed data 00 Min 16 Hr 15 Day 09 Mon 79 Yr PST
Length of Data 366 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.7	0.0	121.2	360.0
SA	6.0	-.5	127.7	351.9
SSA	2.9	.2	128.3	235.1
MSM	3.4	.4	127.4	184.8
MM	1.9	.2	129.9	301.6
MSF	.9	0.0	165.3	335.0
MF	1.0	-.3	79.1	234.6
ALP1	.1	.1	110.3	74.5
2Q1	.3	.1	169.1	31.2
SIG1	.3	.1	142.7	277.6
Q1	.9	-.3	112.8	339.7
RHO1	.2	0.0	80.4	214.3
O1	6.2	-2.6	124.8	9.2
TAU1	.4	-.1	11.6	39.0
BET1	.4	-.1	28.7	56.9
NO1	.6	-.2	138.2	23.0
CHI1	.2	.1	64.6	127.5
PI1	.5	-.2	153.3	1.2
P1	3.6	-.9	130.3	46.3
S1	2.7	-1.0	143.3	326.4
K1	11.4	-3.9	126.9	40.5
PSI1	1.4	-.7	135.3	343.1
PHI1	.8	-.3	131.8	71.4
THE1	.9	-.3	136.8	8.8
J1	.3	0.0	99.1	60.9
SO1	1.0	-.1	150.8	258.7
OO1	1.0	-.4	149.7	66.6
UPS1	.7	-.4	14.2	9.4
OQ2	.4	-.2	67.7	209.4
EPS2	.3	-.2	121.9	185.9
2N2	.4	.1	89.1	205.9
MU2	.3	-.2	168.7	93.8
N2	.8	0.0	39.5	233.2
NU2	.6	-.2	53.6	248.6
H1	1.1	-.6	3.8	25.0
M2	3.7	0.0	60.3	288.5
H2	1.1	-.6	58.3	300.5
MKS2	1.1	-1.1	83.3	339.4
LDA2	.4	-.3	11.6	25.6
L2	.4	-.2	92.9	343.5
T2	.3	.2	70.2	318.0
S2	1.2	-.2	51.2	291.5
R2	.6	-.3	178.5	214.0
K2	1.3	-.9	87.1	299.1
MSN2	.1	-.1	128.7	225.3
ETA2	.5	-.1	114.5	303.5
MO3	.3	-.1	16.7	93.1
M3	.2	-.2	161.4	235.6
SO3	.2	-.2	38.0	107.5
MK3	.2	-.1	93.2	268.6

Continued

Stn E02 Depth 0122m ESTEVAN POINT 49 16.3 N 126 52.4 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	.3	-.1	36.1	193.0
MN4	.3	-.2	21.0	147.4
M4	.3	-.1	8.4	336.7
SN4	.2	-.1	53.0	72.5
MS4	.2	0.0	165.1	96.3
MK4	.1	0.0	138.9	231.7
S4	0.0	0.0	161.2	27.8
SK4	.1	-.1	171.8	349.2
2MK5	.1	-.1	55.0	173.5
2SK5	.1	0.0	32.1	45.3
2MN6	.1	0.0	138.9	51.0
M6	.1	0.0	15.2	7.2
2MS6	.1	0.0	58.9	131.1
2MK6	.2	-.1	62.4	15.9
2SM6	.1	0.0	37.3	5.6
MSK6	.1	-.1	157.9	280.9
3MK7	.1	0.0	34.8	138.1
M8	.1	0.0	78.2	23.0

TIDAL CURRENT ELLIPSE

Stn E03 Depth 0315m ESTEVAN POINT 49 06.0 N 127 08.7 W

Starting time of analysed data 00 Min 11 Hr 03 Day 08 Mon 79 Yr PST
Length of Data 366 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.2	0.0	136.2	360.0
SA	3.8	.1	122.8	274.8
SSA	4.2	.1	128.0	262.3
MSM	1.1	.2	125.1	232.2
MM	1.3	0.0	106.6	272.6
MSF	1.1	.6	163.6	24.2
MF	.8	-.2	86.4	282.4
ALP1	.2	0.0	46.4	.9
2Q1	.1	0.0	162.6	187.3
SIG1	.2	-.1	125.2	95.0
Q1	.2	0.0	133.6	116.2
RHO1	.1	0.0	137.8	39.4
O1	1.0	-.1	92.5	96.9
TAU1	.2	-.1	97.2	172.9
BET1	.1	0.0	116.2	229.2
NO1	.2	0.0	100.3	103.8
CHI1	.2	-.1	138.3	16.9
PI1	.1	0.0	133.1	123.5
P1	.5	-.2	100.0	82.4
S1	.4	0.0	135.2	149.7
K1	1.4	-.4	85.8	109.3
PSI1	.2	0.0	46.0	34.9
PHI1	.2	0.0	22.0	146.1
THE1	.2	-.2	60.6	61.6
J1	.1	0.0	45.1	89.1
SO1	.2	-.1	141.4	116.9
OO1	.3	0.0	113.8	357.7
UPS1	.3	0.0	43.8	358.9
OQ2	.4	-.3	137.8	146.3
EPS2	.1	-.1	57.8	13.1
2N2	.2	-.1	37.5	257.9
MU2	.1	0.0	166.2	324.5
N2	.5	.2	136.1	337.3
NU2	.4	-.2	104.8	306.7
M1	.1	0.0	21.9	72.7
M2	2.0	.3	92.9	313.5
H2	1.0	-1.0	5.6	229.9
MKS2	.6	-.4	32.8	204.0
LDA2	.4	-.2	52.0	265.3
L2	.2	-.1	75.7	310.7
T2	.3	-.1	97.8	320.8
S2	.7	.1	103.0	332.3
R2	.1	0.0	3.1	128.8
K2	.4	-.1	25.7	274.6
MSN2	.1	-.1	79.0	48.3
ETA2	.4	-.3	22.0	283.5
MO3	.2	-.1	145.1	58.0
M3	.1	0.0	4.0	28.4
SO3	.1	0.0	81.5	41.1
MK3	0.0	0.0	83.4	272.5

Continued

Stn E03 Depth 0315m ESTEVAN POINT 49 36.0 N 127 08.7 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	.1	0.0	124.4	204.0
MN4	.1	0.0	90.7	225.3
M4	.1	-.1	168.1	335.1
SN4	.1	0.0	176.1	354.0
MS4	.1	0.0	168.3	265.5
MK4	.2	-.1	72.6	148.3
S4	.1	0.0	70.3	301.0
SK4	.1	0.0	108.7	315.8
2MK5	.1	0.0	118.0	57.9
2SK5	.1	0.0	133.2	40.1
2MN6	0.0	0.0	147.2	340.3
M6	.1	0.0	30.0	141.2
2MS6	0.0	0.0	177.4	15.2
2MK6	.1	0.0	96.3	3.8
2SM6	0.0	0.0	172.8	283.5
MSK6	.1	0.0	92.1	109.4
3MK7	0.0	0.0	116.1	141.2
M8	0.0	0.0	161.1	162.7

TIDAL CURRENT ELLIPSE

Stn E03 Depth 0575m ESTEVAN POINT 49 06.1 N 127 08.2 W

Starting time of analysed data 00 Min 21 Hr 15 Day 09 Mon 79 Yr PST
Length of Data 363 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	2.6	0.0	136.4	360.0
SSA	3.8	-.4	132.7	240.1
MSM	.4	.2	95.0	163.4
MM	1.4	0.0	123.7	291.4
MSF	.9	.4	171.2	28.6
MF	.7	0.0	77.6	295.3
ALP1	.1	0.0	115.7	269.4
2Q1	.2	0.0	94.1	100.1
SIG1	.1	-.1	101.9	56.3
Q1	.2	0.0	125.7	125.2
RHO1	.1	0.0	150.3	107.1
O1	.8	.1	112.6	110.5
TAU1	0.0	0.0	74.9	24.0
BET1	.1	0.0	0.0	46.4
NO1	.1	0.0	141.6	130.5
CHI1	.1	0.0	77.7	61.7
P1	.3	-.1	94.1	116.5
K1	1.1	-.1	92.7	120.0
PHI1	.1	-.1	10.0	121.9
THE1	.1	-.1	9.9	108.2
J1	0.0	0.0	137.7	51.0
SO1	.1	0.0	174.8	77.0
OO1	.1	0.0	67.4	72.2
UPS1	.1	0.0	78.0	101.0
OQ2	.4	-.2	27.2	214.8
EPS2	.4	-.3	31.9	229.3
2N2	.2	-.2	25.1	98.0
MU2	.2	0.0	49.9	188.9
N2	.4	.1	178.5	13.3
NU2	.4	-.2	42.3	254.8
M2	1.5	1.1	150.4	350.4
MKS2	.4	-.1	48.4	274.0
LDA2	.5	-.3	6.7	227.0
L2	.3	-.2	76.4	300.5
S2	.8	.2	103.8	316.9
K2	.5	-.2	81.6	314.5
MSN2	.3	-.2	100.1	241.3
ETA2	.2	-.1	44.0	78.4
MO3	0.0	0.0	39.7	35.5
M3	.1	0.0	159.2	211.2
SO3	.1	0.0	137.9	234.4
MK3	.1	0.0	127.3	129.2
SK3	.1	-.1	93.4	331.6
MN4	.1	0.0	1.7	266.1
M4	.1	0.0	12.6	41.7
SN4	.1	0.0	45.2	343.6
MS4	.1	0.0	56.0	120.4
MK4	.1	-.1	33.9	58.9
S4	0.0	0.0	21.6	242.5
SK4	.1	-.1	121.4	15.8

Continued

Stn E03 Depth 0575m ESTEVAN POINT 49 06.1 N 127 08.2 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	77.8	118.0
2SK5	.1	0.0	165.4	123.3
2MN6	0.0	0.0	32.1	289.2
M6	0.0	0.0	.3	156.1
2MS6	0.0	0.0	101.3	256.5
2MK6	0.0	0.0	106.3	193.5
2SM6	.1	0.0	143.4	121.9
MSK6	0.0	0.0	37.8	177.8
3MK7	0.0	0.0	120.8	160.0
M8	0.0	0.0	156.0	2.5

TIDAL CURRENT ELLIPSE

Stn E03 Depth 0775m ESTEVAN POINT 49 06.1 N 127 08.2 W

Starting time of analysed data 00 Min 21 Hr 15 Day 09 Mon 79 Yr PST
Length of Data 363 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.4	0.0	129.5	360.0
SSA	2.2	.1	131.1	223.5
MSM	.4	-.1	118.5	146.1
MM	1.2	.1	115.3	266.9
MSF	.9	.1	161.2	15.0
MF	.4	.4	17.1	257.3
ALP1	0.0	0.0	93.2	133.4
2Q1	.1	0.0	141.5	138.3
SIG1	.1	0.0	117.1	47.5
Q1	.2	0.0	134.1	114.1
RHO1	.1	-.1	109.6	130.2
O1	.8	.1	113.8	112.7
TAU1	.1	0.0	1.9	149.0
BET1	.1	0.0	40.9	95.4
NO1	.2	-.1	130.7	121.9
CHI1	.1	-.1	145.5	90.2
P1	.3	0.0	95.8	124.8
K1	1.0	0.0	102.6	133.5
PHI1	.1	0.0	17.9	98.4
THE1	.1	0.0	127.4	206.7
J1	.1	-.1	139.3	23.4
SO1	.1	0.0	166.0	95.8
OO1	.1	0.0	116.6	208.5
UPS1	.1	-.1	29.9	286.9
OQ2	.1	-.1	8.0	140.2
EPS2	.1	-.1	2.2	154.0
2N2	.4	-.3	41.6	196.4
MU2	.3	-.1	109.6	268.9
N2	.5	.2	9.9	183.3
NU2	.3	-.1	29.5	260.4
M2	3.4	-.4	162.1	356.8
MKS2	1.0	-.8	178.8	283.1
LDA2	.1	-.1	155.0	16.7
L2	.4	-.3	178.8	111.9
S2	.9	0.0	150.6	8.0
K2	.4	0.0	15.0	214.4
MSN2	.2	-.1	57.3	230.1
ETA2	.3	-.1	42.5	258.0
MO3	0.0	0.0	35.3	48.4
M3	.1	0.0	114.1	207.7
SO3	.1	0.0	90.6	236.9
MK3	.1	0.0	53.7	179.8
SK3	0.0	0.0	34.6	350.4
MN4	.1	0.0	100.2	4.0
M4	.1	0.0	150.7	292.7
SN4	.1	-.1	143.4	270.8
MS4	.1	0.0	152.2	41.1
MK4	.1	0.0	143.5	209.1
S4	0.0	0.0	56.4	179.2
SK4	.1	0.0	142.5	249.9

Continued

Stn E03 Depth 0775m ESTEVAN POINT 49 06.1 N 127 08.2 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	64.7	194.5
2SK5	.1	0.0	77.6	55.0
2MN6	0.0	0.0	49.5	74.3
M6	.1	0.0	170.9	269.2
2MS6	0.0	0.0	20.8	99.4
2MK6	.1	0.0	89.4	188.8
2SM6	0.0	0.0	4.8	250.5
MSK6	.1	0.0	83.4	56.9
3MK7	0.0	0.0	163.0	7.7
M8	0.0	0.0	12.7	250.3

TIDAL CURRENT ELLIPSE

Stn E04 Depth 0335m ESTEVAN POINT 48 58.0 N 127 18.3 W

Starting time of analysed data 00 Min 09 Hr 12 Day 09 Mon 79 Yr PST
Length of Data 366 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	2.5	0.0	154.2	360.0
SA	3.8	.3	168.1	12.7
SSA	4.9	-1.4	119.6	238.9
MSM	1.8	-1.4	144.1	121.1
MM	1.6	-.5	93.4	313.2
MSF	.2	0.0	55.5	333.1
MF	.9	-.3	117.5	105.8
ALP1	.1	0.0	178.0	318.4
2Q1	.2	-.1	126.2	184.2
SIG1	.1	0.0	8.6	112.6
Q1	.2	-.1	145.8	92.2
RHO1	.2	-.1	60.6	57.4
O1	.7	0.0	96.9	90.5
TAU1	.1	0.0	60.2	213.1
BET1	.1	0.0	1.6	280.5
NO1	.1	0.0	70.7	330.9
CHI1	0.0	0.0	101.4	65.7
PI1	.1	0.0	178.6	98.4
P1	.4	0.0	95.8	96.8
S1	.2	0.0	45.3	306.1
K1	1.0	-.2	96.2	106.3
PSI1	.2	-.1	59.2	350.8
PHI1	0.0	0.0	95.5	59.9
THE1	.1	0.0	161.8	189.7
J1	.1	0.0	57.5	74.7
SO1	.1	-.1	150.0	249.9
OO1	.1	0.0	153.0	38.5
UPS1	.1	0.0	1.6	287.9
OQ2	.2	0.0	9.7	141.0
EPS2	.2	-.1	178.2	305.4
2N2	.1	0.0	162.3	304.5
MU2	.2	-.1	59.5	215.3
N2	.3	.2	173.6	6.7
NU2	.3	-.1	84.1	267.2
H1	.5	-.1	134.9	15.6
M2	1.7	.4	87.8	305.6
H2	.4	-.2	151.2	240.9
MKS2	.6	-.5	40.0	105.3
LDA2	.2	-.1	20.4	78.4
L2	.3	-.2	176.9	70.3
T2	.2	-.1	172.5	180.4
S2	.8	.1	107.2	341.0
R2	.3	-.2	47.0	358.4
K2	.3	-.1	39.4	267.6
MSN2	.1	-.1	153.3	263.6
ETA2	.3	-.2	140.5	258.0
MO3	.1	0.0	125.9	277.9
M3	0.0	0.0	15.7	247.7
SO3	.1	0.0	20.0	197.8
MK3	.1	0.0	12.4	136.2

Continued

Stn E04 Depth 0335m ESTEVAN POINT 48 58.0 N 127 18.3 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	0.0	0.0	84.2	260.5
MN4	.1	-.1	163.1	302.8
M4	.2	-.1	163.5	132.9
SN4	.1	-.1	93.8	12.1
MS4	0.0	0.0	18.5	245.4
MK4	.1	0.0	175.0	154.1
S4	.1	0.0	171.5	26.6
SK4	.1	0.0	110.7	320.8
2MK5	.1	0.0	57.0	162.5
2SK5	0.0	0.0	84.8	332.5
2MN6	0.0	0.0	36.9	233.7
M6	0.0	0.0	179.9	162.7
2MS6	0.0	0.0	171.5	33.0
2MK6	0.0	0.0	93.9	325.5
2SM6	0.0	0.0	61.1	273.8
MSK6	0.0	0.0	107.6	303.8
3MK7	0.0	0.0	76.1	47.3
M8	0.0	0.0	8.8	329.2

TIDAL CURRENT ELLIPSE

Stn E04 Depth 0535m ESTEVAN POINT 48 58.0 N 127 18.3 W

Starting time of analysed data 00 Min 09 Hr 12 Day 09 Mon 79 Yr PST
Length of Data 366 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	2.3	0.0	127.9	360.0
SA	1.8	-.1	160.6	42.9
SSA	2.9	-.8	120.3	240.1
MSM	1.9	-1.1	124.4	158.6
MM	1.6	-.4	92.4	290.5
MSF	.6	-.4	30.2	74.2
MF	.8	-.3	102.0	95.9
ALP1	.1	0.0	108.7	286.5
2Q1	0.0	0.0	161.5	64.4
SIG1	.1	0.0	169.8	22.3
Q1	.2	-.1	108.5	94.5
RHO1	.1	0.0	58.5	315.0
O1	.8	.1	101.7	102.2
TAU1	.1	0.0	10.4	320.0
BET1	.1	0.0	155.1	76.5
NO1	.1	0.0	102.8	109.9
CHI1	.1	-.1	107.4	166.2
PI1	.1	0.0	74.6	125.6
P1	.3	0.0	91.0	114.8
S1	.2	0.0	36.9	12.7
K1	1.3	0.0	97.[illegible]	115.4
PSI1	.1	-.1	24.[illegible]	327.0
PHI1	.1	0.0	106.1	97.7
THE1	.1	0.0	138.9	60.2
J1	.1	0.0	131.7	54.9
SO1	.1	0.0	36.5	217.2
OO1	.1	-.1	144.2	329.8
UPS1	.1	0.0	120.7	212.1
OQ2	.3	-.2	21.7	251.0
EPS2	.2	-.1	169.9	5.6
2N2	.2	-.2	29.2	249.4
MU2	.2	-.1	9.5	214.8
N2	.6	0.0	141.3	352.3
NU2	.3	-.2	18.8	235.1
H1	.4	-.3	143.7	330.7
M2	2.9	-.4	92.9	307.5
H2	.2	-.1	131.5	82.4
MKS2	.2	-.1	137.6	354.2
LDA2	.5	-.4	44.1	134.3
L2	.2	-.1	54.6	183.0
T2	.4	-.3	34.0	5.9
S2	1.1	-.2	107.6	338.7
R2	.2	-.1	86.3	344.9
K2	.3	-.2	103.1	342.7
MSN2	.3	-.3	17.9	352.9
ETA2	.2	-.2	33.6	230.4
MO3	.1	0.0	.6	147.8
M3	0.0	0.0	143.4	293.4
SO3	.1	0.0	90.9	106.5
MK3	.2	-.1	159.4	57.7

Continued

Stn E04 Depth 0535m ESTEVAN POINT 48 58.0 N 127 18.3 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	0.0	0.0	131.8	28.7
MN4	.1	0.0	168.4	42.5
M4	.2	-.1	5.2	298.1
SN4	.1	-.1	85.4	113.9
MS4	.1	0.0	138.8	279.4
MK4	.1	-.1	55.9	24.6
S4	.1	-.1	164.4	342.8
SK4	0.0	0.0	45.4	54.1
2MK5	.1	0.0	83.4	98.5
2SK5	.1	0.0	154.4	310.2
2MN6	0.0	0.0	46.5	112.9
M6	0.0	0.0	31.7	233.7
2MS6	.1	0.0	10.5	281.0
2MK6	.1	0.0	.3	96.5
2SM6	0.0	0.0	79.5	254.5
MSK6	0.0	0.0	33.2	258.9
3MK7	0.0	0.0	77.5	231.9
M8	0.0	0.0	.1	245.3

TIDAL CURRENT ELLIPSE

Stn E04 Depth 1020m ESTEVAN POINT 48 57.7 N 127 19.7 W

Starting time of analysed data 00 Min 00 Hr 23 Day 09 Mon 79 Yr PST
Length of Data 355 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.0	0.0	135.8	360.0
SSA	2.8	-.2	124.0	214.7
MSM	.1	-.1	35.9	51.4
MM	1.2	.1	141.2	312.1
MSF	.3	0.0	164.4	302.1
MF	.3	0.0	153.3	66.2
ALP1	.1	0.0	67.9	211.5
2Q1	.1	0.0	52.4	167.9
SIG1	.1	0.0	91.8	169.7
Q1	.2	.1	126.2	132.6
RHO1	.1	0.0	39.6	37.6
O1	.8	0.0	112.7	113.4
TAU1	.1	0.0	88.0	331.2
BET1	.1	0.0	118.2	188.1
NO1	.1	0.0	88.9	152.0
CHI1	.1	0.0	62.4	187.8
P1	.4	0.0	98.1	122.3
K1	1.2	.1	103.8	124.2
PHI1	.1	0.0	60.2	112.5
THE1	.1	0.0	112.6	124.3
J1	.1	0.0	136.4	157.7
SO1	.1	0.0	143.6	24.9
OO1	.2	-.1	122.9	97.8
UPS1	.2	-.1	80.3	339.3
OO2	.1	-.1	44.9	93.7
EPS2	.1	-.1	146.0	220.4
2N2	.2	-.1	117.8	304.6
MU2	.3	-.2	130.4	307.5
N2	.7	-.1	155.2	353.1
NU2	.2	-.1	158.0	9.7
M2	3.0	-.3	131.7	345.0
MKS2	.6	-.4	55.9	299.8
LDA2	.2	-.1	157.8	21.6
L2	.2	-.2	156.5	81.7
S2	.8	.1	137.2	4.6
K2	.3	.1	.4	256.3
MSN2	.2	-.1	131.1	259.4
ETA2	.1	-.1	52.5	158.5
MO3	.1	0.0	153.0	147.6
M3	.1	0.0	139.1	309.6
SO3	.1	0.0	175.3	134.2
MK3	.1	-.1	161.5	214.6
SK3	.1	-.1	66.1	4.6
MN4	0.0	0.0	128.1	158.4
M4	.1	-.1	97.5	58.3
SN4	.1	-.1	159.8	67.9
MS4	.1	0.0	75.6	101.2
MK4	.1	-.1	161.7	267.2
S4	.1	0.0	141.4	358.6
SK4	.1	0.0	59.2	55.2

Continued

Stn E04 Depth 1020m ESTEVAN POINT 48 57.7 N 127 19.7 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	0.0	0.0	159.2	196.1
2SK5	0.0	0.0	145.6	104.2
2MN6	0.0	0.0	68.8	20.6
M6	0.0	0.0	174.8	260.1
2MS6	0.0	0.0	75.0	356.5
2MK6	0.0	0.0	137.5	69.8
2SM6	0.0	0.0	167.9	131.2
MSK6	0.0	0.0	163.6	131.0
3MK7	0.0	0.0	139.3	153.1
M8	0.0	0.0	143.4	216.1

TIDAL CURRENT ELLIPSE

Stn E04 Depth 1235m ESTEVAN POINT 48 58.0 N 127 18.3 W

Starting time of analysed data 00 Min 09 Hr 12 Day 09 Mon 79 Yr PST
Length of Data 366 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.6	0.0	138.1	360.0
SA	.7	-.6	63.1	201.4
SSA	1.7	.1	126.8	201.0
MSM	.4	.1	163.1	127.0
MM	.9	-.2	130.9	310.6
MSF	.2	.1	9.3	117.6
MF	.4	.2	175.7	60.8
ALP1	0.0	0.0	144.3	59.7
2Q1	.1	0.0	151.4	252.7
SIG1	.1	0.0	13.4	52.6
Q1	.1	0.0	133.5	141.4
RHO1	.1	0.0	177.4	171.8
O1	.8	.1	109.2	114.2
TAU1	0.0	0.0	34.7	239.3
BET1	.1	0.0	113.1	66.1
NO1	.1	0.0	156.6	60.6
CHI1	.1	0.0	176.6	38.0
PI1	.1	0.0	139.6	198.5
P1	.4	0.0	101.8	132.0
S1	.2	.1	140.3	83.9
K1	1.2	0.0	114.5	131.6
PSI1	.1	0.0	36.4	20.7
PHI1	0.0	0.0	8.2	36.9
THE1	.2	0.0	158.0	161.1
J1	.1	0.0	158.5	129.8
SO1	.1	0.0	117.8	65.2
OO1	.1	0.0	73.7	265.1
UPS1	.1	0.0	121.6	161.5
OQ2	.2	-.1	173.5	75.7
EPS2	.1	0.0	87.3	13.4
2N2	.2	-.2	137.2	101.0
MU2	.1	0.0	135.8	26.1
N2	.5	-.1	146.6	337.7
NU2	.1	-.1	.5	132.9
H1	.6	-.1	161.0	286.2
M2	2.1	.6	176.8	22.6
H2	.7	-.1	73.5	169.3
MKS2	1.0	-.9	143.4	159.8
LDA2	.1	0.0	133.8	85.6
L2	.3	-.1	25.0	285.1
T2	.2	-.2	167.5	94.1
S2	.4	.4	136.9	357.1
R2	.1	0.0	96.6	52.9
K2	.3	-.1	77.4	280.0
MSN2	.2	0.0	6.2	7.0
ETA2	.3	-.2	25.1	50.7
MO3	0.0	0.0	137.7	129.0
M3	.1	0.0	129.4	37.9
SO3	.1	0.0	92.0	229.6
MK3	0.0	0.0	28.1	359.0

Continued

Stn E04 Depth 1235m ESTEVAN POINT 48 58.0 N 127 18.3 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	.1	0.0	92.7	274.8
MN4	0.0	0.0	71.8	134.4
M4	0.0	0.0	100.8	91.5
SN4	0.0	0.0	121.4	1.1
MS4	.1	0.0	40.1	60.9
MK4	.1	-.1	5.4	226.8
S4	.1	0.0	166.3	174.3
SK4	.1	0.0	143.9	28.7
2MK5	0.0	0.0	103.6	304.0
2SK5	0.0	0.0	150.9	134.6
2MN6	0.0	0.0	57.9	17.6
M6	0.0	0.0	5.5	45.1
2MS6	0.0	0.0	123.9	286.0
2MK6	0.0	0.0	74.0	82.9
2SM6	0.0	0.0	51.6	180.2
MSK6	0.0	0.0	21.7	41.1
3MK7	0.0	0.0	65.2	9.9
M8	0.0	0.0	54.3	157.5

TIDAL CURRENT ELLIPSE

Stn E05 Depth 0064m ESTEVAN POINT 48 47.7 N 127 35.1 W

Starting time of analysed data 00 Min 10 Hr 16 Day 09 Mon 79 Yr PST
Length of Data 362 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.1	0.0	144.0	0.0
SSA	5.0	.4	74.6	285.3
MSM	3.0	1.0	79.8	239.2
MM	1.4	-1.1	69.8	335.0
MSF	1.1	.6	80.8	136.0
MF	.9	.2	86.2	230.0
ALP1	.1	.1	143.3	348.3
2Q1	.1	-.1	133.3	77.2
SIG1	.1	.1	139.7	2.3
Q1	.3	-.1	85.8	96.5
RHO1	.2	0.0	24.0	31.8
O1	.7	.2	95.5	79.0
TAU1	.1	0.0	145.2	276.3
BET1	.1	0.0	32.0	151.6
NO1	.1	0.0	9.4	269.9
CHI1	.2	0.0	168.8	73.1
P1	.3	0.0	109.7	119.1
K1	1.2	0.0	96.7	101.5
PHI1	.2	0.0	107.1	33.1
THE1	.2	0.0	30.9	313.5
J1	.2	0.0	106.3	166.7
SO1	.2	0.0	83.3	.5
OO1	.2	0.0	3.4	253.3
UPS1	.3	-.2	131.0	229.2
OQ2	.3	-.2	99.2	78.6
EPS2	.6	-.5	164.3	245.2
2N2	.2	-.1	39.4	60.7
MU2	.1	.1	50.6	149.9
N2	.5	.1	94.7	291.1
NU2	.4	-.3	159.8	272.2
M2	3.4	-.8	64.4	280.1
MKS2	1.1	-.9	170.3	32.5
LDA2	.7	-.6	143.1	143.3
L2	.9	-.8	111.1	354.5
S2	1.5	-.6	95.1	333.8
K2	1.1	-.6	103.2	297.3
MSN2	.3	-.2	29.2	289.4
ETA2	.3	-.1	15.2	216.7
MO3	.2	0.0	3.9	359.1
M3	.1	-.1	130.7	358.5
SO3	.1	0.0	133.9	22.1
MK3	.1	0.0	26.5	60.2
SK3	.2	0.0	27.8	315.3
MN4	.2	-.1	91.4	9.0
M4	.3	-.1	65.6	124.1
SN4	0.0	0.0	31.8	353.5
MS4	.2	-.1	149.5	39.7
MK4	.2	0.0	43.7	201.2
S4	.1	0.0	22.0	321.0
SK4	.1	-.1	11.0	126.6

Continued

Stn E05 Depth 0064m ESTEVAN POINT 48 47.7 N 127 35.1 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	-.1	158.9	246.9
2SK5	.1	-.1	54.4	231.4
2MN6	.1	0.0	14.6	354.9
M6	0.0	0.0	72.5	255.2
2MS6	.1	0.0	62.9	171.9
2MK6	.1	0.0	116.6	173.3
2SM6	.1	0.0	121.9	294.8
MSK6	.1	0.0	72.9	336.7
3MK7	.1	0.0	47.6	147.8
M8	.1	0.0	86.8	296.2

TIDAL CURRENT ELLIPSE

Stn E05 Depth 0950m ESTEVAN POINT 48 48.1 N 127 35.3 W

Starting time of analysed data 00 Min 14 Hr 09 Day 05 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.2	0.0	174.7	0.0
SA	2.9	-1.2	96.2	328.2
SSA	1.9	.6	149.6	317.5
MSM	.8	.5	25.6	126.2
MM	.9	.8	59.2	328.1
MSF	.5	-.2	64.3	52.6
MF	.5	.1	165.1	319.3
ALP1	.1	0.0	78.6	121.8
2Q1	.1	0.0	93.0	252.5
SIG1	.1	0.0	162.9	354.3
Q1	.2	0.0	118.9	90.4
RHO1	.1	0.0	170.5	164.2
O1	.9	.1	112.1	115.8
TAU1	.1	0.0	72.6	174.8
BET1	.1	-.1	174.5	358.9
NO1	.1	0.0	111.5	170.7
CHI1	.1	0.0	156.6	42.3
PI1	.1	-.1	164.8	24.5
P1	.5	0.0	105.2	113.7
S1	.1	0.0	59.6	10.2
K1	1.3	.1	106.3	121.9
PSI1	.1	0.0	51.2	21.2
PHI1	.1	0.0	143.9	3.9
THE1	0.0	0.0	144.9	172.9
J1	0.0	0.0	48.1	27.9
SO1	.1	0.0	167.0	336.2
OO1	.1	-.1	92.0	121.1
UPS1	.1	0.0	156.8	173.7
OO2	.2	-.1	132.1	283.4
EPS2	.4	-.3	18.4	144.5
2N2	.4	-.4	120.8	257.9
MU2	.3	0.0	60.8	268.4
N2	.6	0.0	76.0	285.7
NU2	.4	-.4	121.6	321.0
M1	.4	-.3	89.8	307.2
M2	4.1	-1.3	107.3	330.9
N2	.6	-.4	178.6	52.7
MKS2	.8	-.7	22.7	213.0
LDA2	.3	-.2	59.5	21.7
L2	.5	-.3	172.2	18.1
T2	.2	-.1	66.0	292.1
S2	1.2	-.3	130.0	359.1
R2	.2	-.2	37.9	129.5
K2	.4	-.2	95.0	332.2
MSN2	.3	-.2	150.6	292.6
ETA2	.4	-.3	7.0	243.6
MO3	.1	0.0	15.8	341.2
M3	0.0	0.0	80.1	179.6
SO3	.1	0.0	172.8	179.7
MK3	.1	0.0	29.1	303.3

Continued

Stn E05 Depth 0950m ESTEVAN POINT 48 48.1 N 127 35.3 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	.1	0.0	13.0	121.1
MN4	0.0	0.0	145.5	139.3
M4	.1	0.0	62.7	243.7
SN4	.1	0.0	136.2	67.3
MS4	.1	0.0	38.8	141.3
MK4	.2	0.0	42.0	18.9
S4	0.0	0.0	111.5	256.9
SK4	.1	-.1	132.2	187.3
2MK5	0.0	0.0	59.6	202.5
2SK5	.1	0.0	84.2	299.1
2MN6	0.0	0.0	131.0	286.5
M6	.1	0.0	95.0	73.1
2MS6	0.0	0.0	97.9	137.1
2MK6	.1	0.0	153.7	27.1
2SM6	0.0	0.0	120.8	42.9
MSK6	.1	0.0	56.0	302.0
3MK7	0.0	0.0	8.8	79.4
M8	0.0	0.0	2.6	180.3

TIDAL CURRENT ELLIPSE

Stn E05 Depth 1510m ESTEVAN POINT 48 47.7 N 127 35.1 W

Starting time of analysed data 00 Min 11 Hr 16 Day 09 Mon 79 Yr PST
Length of Data 362 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	.1	0.0	50.1	0.0
SA	1.0	.3	122.7	346.6
SSA	1.0	-.1	66.1	248.2
MSM	.3	-.1	2.0	110.4
MM	.4	-.3	165.8	225.1
MSF	.2	-.1	50.7	105.0
MF	.1	0.0	87.4	165.4
ALP1	0.0	0.0	110.0	38.4
2Q1	.1	0.0	162.5	252.8
SIG1	0.0	0.0	35.7	134.1
Q1	.1	0.0	116.6	108.9
RHO1	.1	0.0	88.1	145.5
O1	.8	0.0	119.7	116.6
TAU1	0.0	0.0	111.9	136.2
BET1	.1	0.0	140.2	2.7
NO1	.1	0.0	119.6	111.0
CHI1	0.0	0.0	54.3	98.5
PI1	.1	0.0	157.0	120.2
P1	.3	0.0	115.2	130.4
S1	.1	0.0	100.1	83.2
K1	1.1	0.0	114.8	129.0
PSI1	.1	0.0	45.5	145.6
PHI1	0.0	0.0	54.0	116.7
THE1	.1	0.0	82.7	108.6
J1	.1	0.0	101.3	135.1
SO1	.1	0.0	141.5	128.4
OO1	0.0	0.0	110.3	249.1
UPS1	.1	0.0	143.1	217.0
OQ2	.1	-.1	153.9	224.0
EPS2	.1	0.0	78.4	262.2
2N2	.1	0.0	105.6	237.8
MU2	.2	-.1	155.4	338.5
N2	.6	.1	117.4	321.3
NU2	.3	-.1	98.3	330.7
H1	.3	-.2	50.7	48.9
M2	2.8	.1	137.7	356.5
H2	.4	-.2	32.1	13.9
MKS2	.2	-.1	134.8	242.0
LDA2	.2	-.2	101.0	116.9
L2	.1	-.1	31.6	252.6
T2	.2	-.1	95.6	314.7
S2	.9	.1	104.3	333.7
R2	.1	0.0	179.1	316.4
K2	.2	.1	56.7	288.3
MSN2	.2	-.1	83.6	342.9
ETA2	.1	-.1	53.3	150.6
MO3	0.0	0.0	65.7	294.2
M3	0.0	0.0	139.5	185.3
SO3	0.0	0.0	93.5	135.2
MK3	0.0	0.0	49.9	259.3

Continued

Stn E05 Depth 1510m ESTEVAN POINT 48 47.7 N 127 35.1 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	.1	0.0	160.9	18.9
MN4	0.0	0.0	38.9	14.9
M4	.1	0.0	107.2	300.2
SN4	.1	0.0	159.2	152.6
MS4	0.0	0.0	2.2	353.3
MK4	0.0	0.0	67.9	333.4
S4	.1	0.0	116.5	258.4
SK4	0.0	0.0	30.2	289.4
2MK5	.1	0.0	21.8	125.8
2SK5	.1	0.0	171.7	120.2
2MN6	0.0	0.0	166.4	81.9
M6	.1	0.0	127.4	169.0
2MS6	0.0	0.0	92.0	124.1
2MK6	0.0	0.0	172.3	244.6
2SM6	0.0	0.0	140.8	270.6
MSK6	0.0	0.0	96.3	98.5
3MK7	0.0	0.0	171.6	90.7
M8	0.0	0.0	140.9	293.7

TIDAL CURRENT ELLIPSE

Stn 801 Depth 0053m BROOKS PENINSULA 50 05.5 N 127 58.6 W

Starting time of analysed data 30 Min 10 Hr 18 Day 09 Mon 79 Yr PST
Length of Data 357 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	10.2	0.0	150.1	0.0
SA	9.3	.3	119.7	327.4
SSA	.8	-.7	30.5	326.6
MSM	4.4	-.7	130.8	243.7
MM	2.0	-.2	123.0	322.0
MSF	4.7	-.2	127.6	262.7
MF	2.9	-.1	111.6	120.4
ALP1	.5	-.1	122.4	355.8
2Q1	.9	.4	84.1	107.3
SIG1	.6	.1	113.6	3.9
Q1	.9	.2	115.7	154.5
RHO1	2.2	-.9	112.9	208.3
O1	5.4	-.6	131.0	195.4
TAU1	.4	-.1	159.5	346.3
BET1	1.4	-.6	115.4	355.9
NO1	.8	-.1	103.6	193.7
CHI1	1.7	-.7	119.4	229.2
PI1	1.3	-.4	124.2	151.2
P1	4.2	-.6	129.8	262.5
S1	7.8	-2.2	127.4	142.9
K1	10.0	-.8	126.7	253.8
PSI1	2.9	-.6	123.7	159.4
PHI1	1.5	0.0	106.9	246.6
THE1	1.0	-.1	149.7	254.9
J1	1.8	-.4	116.6	298.0
SO1	1.2	-.6	116.1	48.7
OO1	1.0	.1	113.2	105.0
UPS1	1.2	.6	138.6	209.4
OQ2	.4	-.1	85.2	322.9
EPS2	.5	.1	142.3	304.6
2N2	.8	-.2	141.6	198.1
MU2	.7	0.0	133.0	228.2
N2	.6	.1	102.6	292.2
NU2	.7	0.0	66.3	326.2
M1	1.3	-.4	98.3	301.7
M2	4.5	-1.0	66.6	295.1
H2	1.8	-.9	93.6	141.7
MKS2	.5	-.2	171.8	91.2
LDA2	.3	-.1	61.7	124.8
L2	.3	-.1	136.6	3[illegible].8
T2	.7	-.3	172.7	[illegible].6
S2	1.3	-.6	92.4	304.2
R2	.4	-.2	105.1	136.8
K2	1.1	.2	170.8	64.6
MSN2	.9	-.4	122.6	217.2
ETA2	.7	-.1	172.3	7.5
MO3	.6	0.0	91.7	285.2
M3	.3	-.1	90.9	158.8
SO3	.4	-.1	118.3	39.3
MK3	.5	.2	104.4	22.6

Continued

Stn B01 Depth 0053m BROOKS PENINSULA 50 05.5 N 127 58.6 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	.2	.1	178.9	95.6
MN4	.4	-.1	101.8	191.1
M4	.3	0.0	106.0	292.9
SN4	.1	0.0	47.1	226.1
MS4	.2	-.1	141.8	219.0
MK4	.3	-.2	99.0	205.8
S4	.4	0.0	97.9	134.9
SK4	.6	-.2	98.0	71.4
2MK5	.3	-.2	86.6	257.2
2SK5	.2	0.0	106.8	147.4
2MN6	.1	-.1	104.9	6.5
M6	.2	0.0	169.1	22.8
2MS6	.2	-.1	89.2	44.3
2MK6	.2	0.0	109.8	184.7
2SM6	.2	-.1	62.9	241.7
MSK6	.2	.1	110.0	257.2
3MK7	.2	.1	132.2	187.9
M8	.1	0.0	107.0	326.4

TIDAL CURRENT ELLIPSE

Stn B01 Depth 0113m BROOKS PENINSULA 50 05.4 N 127 58.6 W

Starting time of analysed data 00 Min 18 Hr 11 Day 05 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	5.2	0.0	126.8	0.0
SA	6.3	.3	138.1	342.4
SSA	2.8	0.0	134.2	216.9
MSM	3.6	.2	135.6	168.4
MM	2.1	.3	134.0	287.4
MSF	2.1	.3	129.1	284.1
MF	2.0	0.0	128.3	168.8
ALP1	.8	0.0	115.8	252.5
2Q1	.5	0.0	108.3	255.0
SIG1	.5	.2	104.7	67.0
Q1	1.3	.1	132.9	157.1
RHO1	.2	-.2	79.4	265.9
O1	4.2	-.2	138.4	157.9
TAU1	.2	0.0	164.0	356.8
BET1	.4	-.3	129.3	292.8
NO1	.5	.1	113.9	169.1
CHI1	1.2	-.1	125.6	238.0
PI1	.2	0.0	31.9	222.2
P1	1.6	-.3	142.9	226.2
S1	3.1	-.4	128.6	172.5
K1	6.5	-.6	139.4	208.7
PSI1	.7	-.2	129.1	184.6
PHI1	.4	.1	137.6	223.9
THE1	.4	0.0	11.4	309.1
J1	.8	-.1	151.4	243.1
SO1	.3	-.2	61.6	149.3
OO1	.6	-.2	32.8	21.2
UPS1	.4	-.1	133.4	75.5
OQ2	.7	-.1	86.8	133.4
EPS2	.4	.1	161.9	242.1
2N2	.6	-.4	109.7	305.9
MU2	.4	-.2	121.0	61.8
N2	.8	.3	93.3	315.6
NU2	.5	-.2	98.1	20.2
H1	.7	.2	61.7	194.6
M2	4.6	-.6	148.6	334.5
H2	1.7	-.7	49.0	313.1
MKS2	1.0	-.3	63.7	350.0
LDA2	.4	-.3	138.6	80.6
L2	.4	-.2	150.2	9.7
T2	.6	-.3	15.6	346.5
S2	.7	.4	140.9	19.0
R2	.3	.1	3.8	151.4
K2	.6	.1	137.9	359.2
MSN2	.2	.1	143.5	211.2
ETA2	.7	-.1	83.6	137.6
MO3	.2	.1	179.0	275.3
M3	.2	0.0	128.3	256.9
SO3	.5	-.1	35.0	61.3
MK3	.3	0.0	149.2	260.2

Continued

Stn 801 Depth 0113m BROOKS PENINSULA 50 05.4 N 127 58.6 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	.3	-.1	13.9	127.0
MN4	.3	-.2	41.6	79.4
M4	.6	-.2	30.4	213.6
SN4	.2	0.0	85.5	194.1
MS4	.1	-.1	116.6	95.5
MK4	.3	-.1	126.6	2.5
S4	.3	-.1	82.4	306.8
SK4	.2	0.0	92.9	206.2
2MK5	.2	.2	160.6	230.8
2SK5	.3	0.0	97.8	136.7
2MN6	.1	.1	13.3	39.2
M6	.1	0.0	32.7	246.7
2MS6	.1	-.1	172.1	132.3
2MK6	.3	0.0	177.9	54.1
2SM6	.2	0.0	136.2	21.3
MSK6	.2	-.1	97.6	209.2
3MK7	0.0	0.0	125.2	241.5
M8	.2	.1	146.4	124.0

TIDAL CURRENT ELLIPSE

Stn B02 Depth 0475m BROOKS PENINSULA 49 55.8 N 128 17.9 W

Starting time of analysed data 30 Min 12 Hr 23 Day 09 Mon 79 Yr PST
Length of Data 352 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	2.1	0.0	129.2	0.0
SA	4.4	.8	106.0	257.4
SSA	2.6	-.1	110.8	185.3
MSM	1.1	.6	163.5	228.7
MM	.6	-.1	131.2	327.0
MSF	.6	.4	106.5	50.6
MF	.8	-.6	74.3	111.3
ALP1	.1	0.0	91.1	128.9
2Q1	.1	0.0	114.8	34.2
SIG1	.1	0.0	125.2	101.9
Q1	.1	.1	148.1	79.0
RHO1	.1	0.0	138.2	77.4
O1	.8	-.1	140.0	105.3
TAU1	0.0	0.0	161.0	203.0
BET1	.1	0.0	107.6	111.5
NO1	.1	0.0	157.0	66.9
CHI1	.1	0.0	45.5	178.3
PI1	.1	-.1	42.4	150.4
P1	.4	0.0	161.8	132.2
S1	.3	0.0	156.7	54.3
K1	1.3	.1	153.5	125.4
PSI1	.2	0.0	168.3	53.3
PHI1	.1	-.1	174.6	122.1
THE1	0.0	0.0	108.9	284.2
J1	.2	0.0	102.4	151.9
SO1	.1	0.0	152.6	44.8
OO1	.1	0.0	130.3	172.0
UPS1	0.0	0.0	62.3	46.0
OQ2	.2	-.1	100.0	327.0
EPS2	.3	-.3	145.2	314.6
2N2	.2	-.1	94.6	220.7
MU2	.4	-.3	146.6	320.9
N2	.6	0.0	132.4	334.6
NU2	.3	-.2	155.0	352.0
H1	.9	-.6	164.6	71.8
M2	2.8	-.1	113.5	329.7
H2	.3	.1	19.0	157.0
MKS2	.5	-.3	27.1	119.9
LDA2	.5	-.3	113.6	130.4
L2	.3	-.2	167.3	334.3
T2	.2	0.0	60.5	220.5
S2	1.0	-.1	83.1	312.2
R2	.2	-.1	17.2	188.8
K2	.4	0.0	91.5	321.5
MSN2	.1	-.1	126.6	88.4
ETA2	.1	-.1	173.8	10.4
MO3	.1	0.0	32.0	137.5
M3	.1	-.1	129.5	75.7
SO3	.1	0.0	137.7	218.8
MK3	.1	0.0	121.1	29.0

Continued

Stn B02 Depth 0475m BROOKS PENINSULA 49 55.8 N 128 17.9 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	.1	-.1	179.0	354.2
MN4	0.0	0.0	8.1	259.7
M4	.1	-.1	61.5	33.7
SN4	.1	0.0	58.1	106.3
MS4	.1	-.1	45.0	99.3
MK4	.1	0.0	95.4	187.1
S4	.1	0.0	126.8	271.9
SK4	.1	0.0	7.9	153.0
2MK5	.1	0.0	29.7	234.4
2SK5	.1	0.0	97.9	112.2
2MN6	0.0	0.0	27.8	182.2
M6	0.0	0.0	17.1	259.8
2MS6	.1	0.0	45.8	19.9
2MK6	0.0	0.0	93.3	19.0
2SM6	0.0	0.0	93.5	294.8
MSK6	.1	0.0	126.2	353.2
3MK7	.1	0.0	72.6	313.0
M8	.1	0.0	157.5	119.3

TIDAL CURRENT ELLIPSE

Stn B02 Depth 0975m BROOKS PENINSULA 49 55.8 N 128 17.9 W

Starting time of analysed data 30 Min 12 Hr 23 Day 09 Mon 79 Yr PST
Length of Data 352 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.5	0.0	141.0	0.0
SSA	1.3	0.0	121.2	144.8
MSM	.8	-.2	54.9	175.7
MM	1.0	-.2	158.3	340.4
MSF	.6	-.3	144.8	96.4
MF	.4	0.0	40.3	163.3
ALP1	0.0	0.0	171.3	73.7
2Q1	.1	0.0	77.3	67.4
SIG1	.1	0.0	87.5	204.4
Q1	.2	0.0	178.9	115.3
RHO1	.1	0.0	99.6	38.0
O1	.8	.1	137.5	83.5
TAU1	0.0	0.0	83.5	267.8
BET1	.1	0.0	120.3	136.1
NO1	.1	0.0	143.7	93.9
CHI1	.1	0.0	40.4	359.7
P1	.5	.1	139.9	96.5
K1	1.4	.4	134.6	90.7
PHI1	.1	0.0	146.4	63.2
THE1	.1	0.0	117.4	102.4
J1	.1	0.0	139.4	120.7
SO1	.1	0.0	76.3	242.2
OO1	.1	0.0	148.0	67.1
UPS1	.1	-.1	99.1	184.4
OQ2	.1	0.0	105.2	99.8
EPS2	.2	-.1	3.0	324.8
2N2	.3	-.1	33.3	218.6
MU2	.5	-.4	47.8	229.0
N2	1.0	-.4	87.0	306.2
NU2	.3	-.1	52.6	292.6
M2	4.0	-1.4	140.2	359.4
MKS2	.7	-.4	99.3	288.5
LDA2	.5	-.4	125.0	3.9
L2	.2	.1	111.9	345.5
S2	1.0	.1	135.1	11.1
K2	.4	0.0	23.4	254.1
MSN2	.1	-.1	21.2	97.1
ETA2	.2	-.1	28.2	84.3
MO3	.1	0.0	86.4	339.6
M3	.1	0.0	61.9	190.6
SO3	.1	0.0	129.9	187.1
MK3	.1	-.1	160.6	151.4
SK3	.1	0.0	62.3	291.5
MN4	.1	0.0	61.7	2.8
M4	.1	-.1	51.2	214.2
SN4	.1	0.0	18.3	1.8
MS4	.1	0.0	145.7	163.4
MK4	.1	0.0	120.3	47.1
S4	.1	-.1	129.3	119.7
SK4	.1	-.1	66.9	354.7

Continued

Stn B02 Depth 0975m BROOKS PENINSULA 49 55.8 N 128 17.9 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	0.0	0.0	112.3	242.9
2SK5	.1	0.0	30.8	161.1
2MN6	0.0	0.0	113.5	332.6
M6	0.0	0.0	178.9	304.7
2MS6	.1	0.0	102.6	287.2
2MK6	.1	0.0	58.4	216.5
2SM6	0.0	0.0	139.0	44.3
MSK6	.1	0.0	55.5	169.8
3MK7	.1	0.0	41.0	45.0
M8	.1	0.0	82.6	40.0

TIDAL CURRENT ELLIPSE

Stn 803 Depth 0525m BROOKS PENINSULA 49 38.6 N 128 41.7 W

Starting time of analysed data 30 Min 21 Hr 23 Day 09 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.0	0.0	150.7	0.0
SA	2.2	-.7	162.2	55.7
SSA	2.1	.4	163.9	321.4
MSM	.9	0.0	26.9	212.8
MM	1.0	.1	11.0	114.9
MSF	.6	-.3	105.2	256.7
MF	.2	0.0	92.9	28.9
ALP1	.1	0.0	77.3	109.5
2Q1	.1	0.0	15.9	94.0
SIG1	0.0	0.0	98.4	21.3
Q1	.1	0.0	166.8	128.6
RHO1	.1	0.0	66.9	320.5
O1	.8	0.0	132.6	109.2
TAU1	0.0	0.0	143.0	119.3
BET1	.1	0.0	35.8	115.2
NO1	.1	0.0	135.8	138.1
CHI1	0.0	0.0	132.9	147.3
PI1	.1	0.0	170.6	104.8
P1	.4	0.0	143.3	117.4
S1	.1	0.0	134.5	81.6
K1	1.1	.1	131.2	115.1
PSI1	.1	0.0	99.7	73.5
PHI1	.1	0.0	76.6	3.2
THE1	.1	0.0	45.3	332.7
J1	.1	0.0	3.9	342.4
SO1	.1	0.0	177.5	199.5
OO1	.1	0.0	100.8	123.4
UPS1	.1	0.0	98.5	303.2
OQ2	.1	-.1	168.1	121.1
EPS2	.1	-.1	41.5	227.6
2N2	.2	-.2	154.6	180.3
MU2	.2	-.1	119.0	279.5
N2	1.0	-.3	125.1	331.1
NU2	.5	-.3	150.1	318.7
M1	.7	-.3	69.1	29.0
M2	1.8	1.3	40.2	264.8
M2	.6	-.4	17.6	185.4
MKS2	.6	-.3	89.1	337.0
LDA2	.1	-.1	166.3	247.0
L2	.3	-.2	100.8	268.5
T2	.6	-.4	79.1	309.0
S2	1.3	-.3	119.7	352.7
R2	.3	-.1	13.2	5.5
K2	.7	-.4	152.1	15.0
MSN2	.1	0.0	48.7	307.1
ETA2	.2	-.2	65.6	354.3
MO3	.1	0.0	134.4	351.3
M3	.1	0.0	163.0	104.5
SO3	0.0	0.0	60.0	302.0
MK3	.1	-.1	131.9	231.4

Continued

Stn B03 Depth 0521m BROOKS PENINSULA 49 38.6 N 128 41.7 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	0.0	0.0	166.4	200.5
MN4	.1	0.0	119.4	24.5
M4	.2	-.1	109.8	246.6
SN4	.1	0.0	35.7	26.7
MS4	.1	0.0	152.1	81.6
MK4	.2	0.0	165.4	22.2
S4	0.0	0.0	118.1	144.2
SK4	.1	0.0	100.8	32.8
2MK5	0.0	0.0	79.6	122.0
2SK5	.1	0.0	74.1	150.7
2MN6	0.0	0.0	88.1	138.9
M6	0.0	0.0	50.3	149.6
2MS6	0.0	0.0	113.6	53.7
2MK6	0.0	0.0	102.0	33.0
2SM6	.1	0.0	151.8	173.0
MSK6	.1	0.0	14.2	227.9
3MK7	0.0	0.0	37.4	70.3
M8	0.0	0.0	108.3	177.0

TIDAL CURRENT ELLIPSE

Stn B03 Depth 0965m BROOKS PENINSULA 49 38.0 N 128 41.6 W

Starting time of analysed data 00 Min 12 Hr 11 Day 05 Mon 79 Yr PST
Length of Data 364 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	.8	0.0	15.8	180.0
SA	.4	-.1	2.9	86.6
SSA	2.0	.7	167.3	301.0
MSM	.9	.1	61.3	241.0
MM	.4	.2	145.4	26.0
MSF	.5	.1	109.4	277.7
MF	.3	0.0	15.2	212.0
ALP1	.1	0.0	160.9	64.3
2Q1	.1	0.0	73.0	69.1
SIG1	0.0	0.0	157.5	1.1
Q1	.2	0.0	148.5	106.2
RHO1	.1	0.0	176.6	216.3
O1	.6	0.0	136.9	118.6
TAU1	0.0	0.0	77.0	117.8
BET1	.1	0.0	150.4	32.9
NO1	.1	0.0	127.7	120.5
CHI1	.1	0.0	136.8	109.5
PI1	.1	-.1	162.9	57.5
P1	.3	.1	144.9	134.4
S1	.2	0.0	3.4	282.5
K1	1.1	.1	133.8	122.2
PSI1	.2	0.0	135.3	42.8
PHI1	.1	0.0	144.4	73.1
THE1	.1	0.0	20.9	198.2
J1	.1	0.0	87.7	125.6
SO1	.1	0.0	178.9	170.6
OO1	.1	0.0	167.8	272.6
UPS1	.2	0.0	165.3	27.3
OO2	.2	-.1	28.0	12.6
EPS2	.3	-.1	158.4	331.6
2N2	.1	-.1	3.4	143.2
MU2	.2	-.1	49.3	299.5
N2	.5	-.1	134.8	342.6
NU2	.2	-.1	59.6	284.7
M1	.5	.1	2.9	38.7
M2	2.0	.3	159.8	29.2
H2	.8	-.5	98.9	341.9
MKS2	.5	0.0	20.0	280.4
LDA2	.2	-.1	36.5	10.5
L2	.2	-.2	38.7	236.1
T2	.3	0.0	51.9	338.3
S2	.7	.3	95.3	331.3
R2	.4	-.2	97.0	316.4
K2	.3	-.2	13.9	230.0
MSN2	.1	0.0	56.9	146.5
ETA2	.3	-.1	68.8	334.4
MO3	.1	0.0	106.8	259.9
M3	.1	0.0	24.3	46.0
SO3	.1	0.0	45.8	333.0
MK3	.1	0.0	32.7	302.5

Continued

Stn 803 Depth 0965m BROOKS PENINSULA 49 38.0 N 128 41.6 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
SK3	.1	0.0	154.1	282.8
MN4	0.0	0.0	159.4	356.8
M4	.2	-.1	91.5	69.3
SN4	0.0	0.0	139.2	136.5
MS4	0.0	0.0	172.0	136.7
MK4	.1	-.1	66.0	224.7
S4	.1	0.0	165.7	330.5
SK4	0.0	0.0	6.7	169.6
2MK5	0.0	0.0	56.6	325.6
2SK5	0.0	0.0	54.3	68.5
2MN6	0.0	0.0	75.9	162.4
M6	0.0	0.0	115.7	15.6
2MS6	0.0	0.0	119.5	283.1
2MK6	0.0	0.0	20.8	139.9
2SM6	.1	0.0	117.4	68.3
MSK6	.1	0.0	99.6	19.9
3MK7	0.0	0.0	81.1	114.8
M8	0.0	0.0	120.5	108.6

TIDAL CONSTITUENTS

Stn SHER SHERINGHAM PT. 48 22.5 N 123 55.1 W

Starting time of analysed data 00 Min 07 Hr 19 Day 04 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	1.1	0.0	SA	30.2	264.5
SSA	21.0	152.1	MSM	3.8	260.8
MM	1.0	250.3	MSF	1.1	292.8
MF	1.5	157.3	ALP1	.2	188.9
2Q1	.9	136.0	SIG1	.6	124.7
Q1	5.8	127.2	RHO1	1.3	118.5
O1	33.8	130.8	TAU1	.6	183.1
BET1	.3	157.2	NO1	2.9	119.6
CHI1	.9	141.9	PI1	1.0	151.8
P1	17.0	137.6	S1	2.3	148.4
K1	54.8	141.2	PSI1	.9	192.2
PHI1	.8	145.0	THE1	.7	118.6
J1	3.1	152.5	SO1	.6	267.0
OO1	1.8	170.2	UPS1	.2	202.0
OQ2	.1	237.2	EPS2	.6	343.4
2N2	1.0	354.6	MU2	2.4	357.6
N2	10.7	12.1	NU2	1.9	12.4
M1	.8	16.4	M2	48.7	31.4
H2	.6	252.1	MKS2	.4	303.6
LDA2	.3	153.3	L2	.2	56.5
T2	.8	46.7	S2	15.1	46.5
R2	.2	83.6	K2	3.4	35.9
MSN2	.3	67.0	ETA2	.3	23.1
MO3	1.5	34.7	M3	.3	95.2
SO3	1.1	22.5	MK3	1.5	1.7
SK3	.7	39.1	MN4	.6	304.2
M4	1.3	326.9	SN4	.2	295.7
MS4	.8	335.8	MK4	.4	25.0
S4	.1	304.1	SK4	.3	55.1
2MK5	.9	187.9	2SK5	.1	290.4
2MN6	.7	189.9	M6	1.3	213.9
2MS6	1.0	241.9	2MK6	.3	214.9
2SM6	.2	256.2	MSK6	.1	248.6
3MK7	.1	.1	M8	.1	355.3

TIDAL CONSTITUENTS

Stn 8527 PORT SAN JUAN 48 32.7 N 124 28.8 W

Starting time of analysed data 00 Min 10 Hr 19 Day 04 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	21.4	360.0
SSA	2.7	213.2
MM	1.4	311.4
MF	1.2	193.2
2Q1	.7	134.0
Q1	5.0	122.7
O1	28.3	126.2
BET1	.3	217.0
CHI1	.8	117.2
P1	13.9	130.7
K1	44.9	134.5
PHI1	.8	125.5
J1	2.6	146.6
OO1	1.3	156.8
OQ2	.1	267.7
2N2	1.6	326.8
N2	14.5	349.0
M1	1.1	34.2
M2	.6	136.0
LDA2	.3	256.3
T2	1.2	21.7
R2	.1	15.7
MSN2	.2	73.8
MO3	1.1	42.9
SO3	.6	55.0
SK3	.5	46.3
M4	1.0	349.3
MS4	.5	353.8
S4	.1	294.8
2MK5	.5	212.5
2MN6	.4	176.4
2MS6	.6	241.8
2SM6	.1	250.4
3MK7	.1	335.2

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
SA	11.9	344.7
MSM	2.2	211.6
MSF	1.0	349.5
ALP1	.1	103.8
SIG1	.4	98.6
RHO1	1.2	102.6
TAU1	.4	171.5
NO1	2.3	110.1
PI1	.8	120.4
S1	1.5	127.9
PSI1	1.2	209.5
THE1	.8	144.0
SO1	.4	192.5
UPS1	.3	265.8
EPS2	.7	335.8
MU2	2.3	341.0
NU2	3.1	346.0
M2	69.9	9.1
MKS2	.8	315.8
L2	1.5	19.3
S2	21.0	28.0
K2	5.1	20.7
ETA2	.4	20.3
M3	.1	157.4
MK3	1.1	42.9
MN4	.5	330.6
SN4	.2	282.6
MK4	.2	57.3
SK4	.2	51.3
2SK5	.0	266.3
M6	.7	209.7
2MK6	.2	234.1
MSK6	.0	289.1
M8	.0	340.9

TIDAL CONSTITUENTS

Stn 8585 EFFINGHAM BAY 48 52.5 N 125 18.4 W

Starting time of analysed data 00 Min 16 Hr 19 Day 04 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	2.7	0.0	SA	13.3	356.3
SSA	2.1	250.2	MSM	1.6	195.3
MM	1.2	328.4	MSF	1.5	6.2
MF	1.6	189.7	ALP1	.1	118.4
2Q1	.6	129.2	SIG1	.5	114.4
Q1	4.4	116.2	RHO1	1.0	115.0
O1	24.7	118.9	TAU1	.2	109.8
BET1	.2	176.8	NO1	2.2	103.9
CHI1	.6	139.1	PI1	.7	141.0
P1	12.2	121.8	S1	1.7	144.2
K1	38.8	125.5	PSI1	.5	193.0
PHI1	.6	128.9	THE1	.3	123.8
J1	2.5	128.5	SO1	.5	124.7
OO1	1.1	137.9	UPS1	.2	225.5
OQ2	.3	321.0	EPS2	.4	328.3
2N2	2.4	327.5	MU2	2.0	325.6
N2	19.4	342.4	NU2	3.8	345.6
M1	.2	311.5	M2	94.0	2.7
M2	.2	329.0	MKS2	.2	20.0
LDA2	.6	27.3	L2	2.1	23.3
T2	1.6	12.9	S2	27.1	22.5
R2	.2	75.4	K2	7.4	15.8
MSN2	.1	74.5	ETA2	.6	8.4
MO3	.1	69.2	M3	2	312.8
SO3	.1	333.7	MK3	.1	356.1
SK3	.3	39.8	MN4	.1	4.3
M4	.2	67.1	SN4	.0	330.2
MS4	.0	249.6	MK4	.1	46.7
S4	.1	265.5	SK4	.2	36.3
2MK5	.2	247.8	2SK5	.1	110.5
2MN6	.1	120.4	M6	.2	186.6
2MS6	.1	274.4	2MK6	.1	241.8
2SM6	.0	141.2	MSK6	.0	173.9
3MK7	.0	56.5	M8	.0	309.8

TIDAL CONSTITUENTS

Stn 8645 NOOTKA 49 37.3 N 126 36.9 W

Starting time of analysed data 00 Min 09 Hr 20 Day 04 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	.8	360.0	SA	13.5	352.8
SSA	1.6	258.8	MSM	1.8	195.0
MM	1.2	329.7	MSF	1.6	359.6
MF	1.7	196.7	ALP1	.2	116.8
2Q1	.6	115.9	SIG1	.6	122.6
Q1	4.7	111.2	RHO1	1.1	111.3
O1	26.9	111.7	TAU1	.3	128.5
BET1	.3	155.3	NO1	2.4	98.0
CHI1	.7	129.3	PI1	.6	121.4
P1	14.4	114.4	S1	.9	122.9
K1	45.6	117.7	PSI1	.3	186.4
PHI1	.7	116.3	THE1	.5	98.4
J1	3.0	125.0	SO1	.6	167.5
OO1	1.4	128.8	UPS1	.2	206.2
OQ2	.2	337.6	EPS2	.4	328.6
2N2	2.4	333.9	MU2	2.2	327.2
N2	20.5	347.5	NU2	4.0	351.3
H1	.3	331.3	M2	99.7	8.0
H2	.1	83.9	MKS2	.3	50.7
LDA2	.6	36.8	L2	2.3	31.3
T2	1.8	19.7	S2	29.0	27.9
R2	.2	70.3	K2	7.9	21.4
MSN2	.1	121.5	ETA2	.7	9.8
MO3	.0	298.5	M3	.2	307.7
SO3	.1	295.9	MK3	.2	316.7
SK3	.2	30.0	MN4	.1	24.7
M4	.1	97.4	SN4	.0	293.0
MS4	.1	225.5	MK4	.0	24.2
S4	.1	249.7	SK4	.1	28.0
2MK5	.1	282.7	2SK5	.0	161.0
2MN6	.1	69.4	M6	.1	112.0
2MS6	.0	56.4	2MK6	.0	55.2
2SM6	.0	107.1	MSK6	.0	147.0
3MK7	.0	233.3	M8	.0	184.0

TIDAL CONSTITUENTS

Stn 8710 KYUQUOT 50 1.3 N 127 21.2 W

Starting time of analysed data 00 Min 16 Hr 20 Day 04 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	3.2	0.0	SA	14.0	352.5
SSA	1.3	261.9	MSM	2.0	188.4
MM	1.6	322.8	MSF	1.8	358.6
MF	1.8	199.7	ALP1	.3	126.9
2Q1	.7	118.7	SIG1	.6	121.0
Q1	5.2	113.6	RHO1	1.3	119.4
O1	29.4	115.7	TAU1	.3	136.4
BET1	.2	178.1	NO1	2.6	102.0
CHI1	.8	142.0	PI1	1.0	121.0
P1	15.2	121.6	S1	2.5	109.3
K1	48.4	124.8	PSI1	.8	130.5
PHI1	1.0	125.6	THE1	.6	129.3
J1	3.0	129.8	SO1	.4	144.2
OO1	1.6	144.1	UPS1	.2	176.0
OQ2	.3	344.0	EPS2	.4	329.8
2N2	2.5	334.7	MU2	2.2	329.4
N2	20.3	349.2	NU2	4.0	352.2
H1	.1	306.3	M2	99.0	9.4
H2	.1	347.8	MKS2	.3	12.1
LDA2	.6	32.8	L2	2.3	32.6
T2	1.7	22.3	S2	29.0	30.2
R2	.2	53.4	K2	7.9	23.7
MSN2	.0	65.0	ETA2	.7	14.8
MO3	.0	326.9	M3	.2	307.8
SO3	.1	270.8	MK3	.1	293.9
SK3	.2	37.0	MN4	.1	7.4
M4	.1	85.5	SN4	.0	215.1
MS4	.0	235.8	MK4	.0	80.0
S4	.1	243.9	SK4	.1	50.2
2MK5	.1	328.6	2SK5	.0	166.1
2MN6	.1	75.1	M6	.1	113.5
2MS6	.0	34.9	2MK6	.0	330.8
2SM6	.0	52.8	MSK6	.0	145.1
3MK7	.0	180.1	M8	.0	158.3

TIDAL CONSTITUENTS

Stn 8736 HUNT ISLETS 50 28.4 N 128 01.9 W

Starting time of analysed data 00 Min 16 Hr 21 Day 04 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	.4	360.0	SA	13.0	353.0
SSA	.8	281.9	MSM	1.6	190.3
MM	1.4	331.1	MSF	1.6	357.0
MF	1.9	205.0	ALP1	.2	130.4
2Q1	.5	133.7	SIG1	.6	117.9
Q1	4.9	120.8	RHO1	.9	119.6
O1	27.4	120.6	TAU1	.3	130.6
BET1	.2	134.6	NO1	2.3	108.0
CHI1	.4	131.8	PI1	.8	150.6
P1	13.9	122.9	S1	1.8	166.6
K1	43.5	126.4	PSI1	1.0	205.5
PHI1	.6	127.8	THE1	.4	127.6
J1	2.9	131.7	SO1	.7	155.0
OO1	1.3	143.0	UPS1	.2	191.9
OO2	.2	339.7	EPS2	.5	330.4
2N2	2.4	338.0	MU2	2.2	332.2
N2	20.6	351.4	NU2	4.1	355.2
H1	.2	293.5	M2	101.	11.7
H2	.1	213.6	MKS2	.3	44.5
LDA2	.6	36.4	L2	2.3	36.8
T2	1.8	24.1	S2	29.8	32.4
R2	.2	56.6	K2	8.1	25.8
MSN2	.0	104.5	ETA2	.7	16.9
MO3	.0	74.2	M3	.2	299.4
SO3	.1	263.8	MK3	.1	292.3
SK3	.2	37.7	MN4	.1	20.5
M4	.2	74.2	SN4	.0	82.8
MS4	.0	253.3	MK4	.1	61.1
S4	.0	251.0	SK4	.1	49.9
2MK5	.1	250.0	2SK5	.0	163.6
2MN6	.1	92.3	M6	.2	121.0
2MS6	.1	120.9	2MK6	.0	151.8
2SM6	.0	157.4	MSK6	.0	87.4
3MK7	.0	206.3	M8	.0	204.3

TIDAL CONSTITUENTS

Stn 9710 HEATER HARBOUR 52 07.2 N 131 02.0 W

Starting time of analysed data 00 Min 13 Hr 22 Day 04 Mon 79 Yr PST
Length of Data 375 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	2.7	360.0	SA	6.8	336.5
SSA	1.8	215.1	MSM	1.7	209.7
MM	.7	51.8	MSF	.7	48.7
MF	1.3	198.1	ALP1	.1	122.2
2Q1	.5	134.1	SIG1	.6	121.8
Q1	5.0	129.1	RHO1	1.0	122.4
O1	27.5	130.4	TAU1	.3	118.2
BET1	.2	177.1	NO1	2.4	115.0
CHI1	.5	149.5	PI1	.8	147.3
P1	14.1	133.8	S1	1.9	141.1
K1	44.6	137.2	PSI1	.5	193.4
PHI1	.7	141.4	THE1	.5	140.1
J1	3.0	142.4	SO1	.5	158.5
OO1	1.5	153.4	UPS1	.2	170.7
OQ2	.3	1.2	EPS2	.5	357.4
2N2	2.9	358.5	MU2	2.6	357.2
N2	24.2	11.9	NU2	4.8	14.5
H1	.5	344.9	M2	119.	32.1
H2	.1	321.7	MKS2	.2	77.9
LDA2	.7	52.7	L2	2.8	52.3
T2	2.2	45.7	S2	37.0	55.1
R2	.3	113.1	K2	10.1	49.0
MSN2	.1	157.9	ETA2	.9	42.6
MO3	.3	121.5	M3	.5	355.9
SO3	.1	254.7	MK3	.0	138.4
SK3	.5	137.8	MN4	.3	35.4
M4	.8	47.1	SN4	.1	111.0
MS4	.6	82.8	MK4	.2	83.6
S4	.1	142.2	SK4	.1	126.3
2MK5	.1	39.5	2SK5	.0	301.8
2MN6	.1	168.4	M6	.1	208.8
2MS6	.1	235.3	2MK6	.0	290.3
2SM6	.0	242.2	MSK6	.0	285.1
3MK7	.0	247.0	M8	.0	128.0

TIDAL CONSTITUENTS

Stn 8600 ESTEVAN POINT (E1) 49 21.1 N 126 45.4 W

Starting time of analysed data 00 Min 13 Hr 22 Day 09 Mon 79 Yr PST
Length of Data 357 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	1.1	360.0	SSA	115.	300.6
MSM	18.6	107.0	MM	20.4	93.6
MSF	6.7	319.5	MF	7.6	350.4
ALP1	.5	321.9	2Q1	1.2	91.2
SIG1	.6	137.7	Q1	4.4	100.1
RHO1	.9	92.9	O1	26.6	113.4
TAU1	.1	194.4	BET1	.1	77.6
NO1	2.8	93.8	CHI1	1.3	135.3
P1	14.4	117.3	K1	44.0	118.7
PHI1	1.1	93.8	THE1	.8	130.4
J1	2.6	143.9	SO1	.4	77.1
OO1	1.5	131.0	UPS1	.8	223.0
OQ2	.8	342.5	EPS2	.6	351.5
2N2	2.3	320.5	MU2	2.1	321.0
N2	19.9	346.3	NU2	3.9	350.5
M2	97.4	7.0	MKS2	.4	352.3
LDA2	.6	7.8	L2	2.5	20.9
S2	28.3	27.0	K2	7.8	21.1
MSN2	.1	98.1	ETA2	1.0	15.8
MO3	.2	43.5	M3	.4	253.5
SO3	.2	196.3	MK3	.3	18.6
SK3	.4	33.2	MN4	.1	348.6
M4	.1	160.2	SN4	.0	273.7
MS4	.2	203.8	MK4	.1	215.4
S4	.3	275.1	SK4	.2	360.0
2MK5	.1	237.3	2SK5	.1	166.8
2MN6	.2	25.9	M6	.1	175.9
2MS6	.1	276.0	2MK6	.1	263.3
2SM6	.1	335.7	MSK6	.0	110.0
3MK7	.1	261.8	M8	.0	219.6

TIDAL CONSTITUENTS

Stn 8600 ESTEVAN POINT (E2) 49 16.2 N 126 52.7 W

Starting time of analysed data 00 Min 12 Hr 07 Day 05 Mon 80 Yr PST
Length of Data 131 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	.0	0.0	MM	.5	115.3
MSF	.6	317.1	ALP1	.5	88.7
2Q1	.2	357.7	Q1	4.1	120.9
O1	27.9	115.6	NO1	2.1	107.9
K1	48.0	125.6	J1	3.3	103.2
OO1	.8	106.1	UPS1	.4	229.0
EPS2	.5	331.9	MU2	1.1	299.3
N2	18.1	349.1	M2	97.2	7.6
L2	2.3	33.4	S2	24.8	30.6
ETA2	.8	70.7	MO3	.0	140.6
M3	.2	324.6	MK3	.1	252.4
SK3	.4	54.2	MN4	.1	84.4
M4	.1	84.0	SN4	.0	328.7
MS4	.0	198.6	S4	.2	230.8
2MK5	.1	254.2	2SK5	.1	180.6
2MN6	.0	55.3	M6	.1	87.4
2MS6	.1	92.9	2SM6	.0	201.0
3MK7	.0	9.3	M8	.0	60.5

TIDAL CONSTITUENTS

Stn 8600 ESTEVAN POINT E3A 49 4.1 N 127 4.2 W

Starting time of analysed data 00 Min 18 Hr 09 Day 05 Mon 79 Yr PST
Length of Data 126 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	.7	180.0	MM	4.2	281.7
MSF	3.9	12.7	ALP1	.4	120.9
2Q1	.9	163.7	Q1	4.8	114.2
O1	28.0	115.9	NO1	1.9	86.8
K1	49.0	128.4	J1	1.9	102.9
OO1	1.8	142.9	UPS1	1.1	52.0
EPS2	.1	50.7	MU2	2.7	307.5
N2	20.3	352.8	M2	96.1	6.9
L2	2.3	7.0	S2	24.6	30.4
ETA2	1.2	2.5	MO3	.1	105.1
M3	.2	281.8	MK3	.2	327.2
SK3	.3	40.1	MN4	.0	292.3
M4	.1	119.1	SN4	.0	244.4
MS4	.0	186.9	S4	.2	229.3
2MK5	.1	251.8	2SK5	.2	157.6
2MN6	.1	96.3	M6	.1	108.7
2MS6	.0	253.6	2SM6	.0	263.6
3MK7	.0	42.4	M8	.0	196.7

TIDAL CONSTITUENTS

Stn 8600 ESTEVAN POINT E5 48 46.9 N 127 35.5 W

Starting time of analysed data 00 Min 16 Hr 08 Day 05 Mon 80 Yr PST
Length of Data 127 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	2.8	180.0	MM	4.5	86.8
MSF	2.3	336.6	ALP1	.1	316.0
2Q1	.4	160.8	Q1	4.3	117.0
O1	28.1	117.6	NO1	1.9	120.5
K1	48.3	127.6	J1	3.0	103.3
OO1	1.3	130.0	UPS1	.5	47.1
EPS2	.3	321.9	MU2	1.2	302.1
N2	17.7	349.0	M2	95.8	7.9
L2	2.2	42.5	S2	24.1	31.2
ETA2	.8	44.0	MO3	.0	290.4
M3	.2	311.2	MK3	.1	315.3
SK3	.4	51.3	MN4	.1	35.6
M4	.1	117.7	SN4	.0	65.9
MS4	.1	215.3	S4	.2	228.2
2MK5	.1	251.3	2SK5	.1	159.6
2MN6	.0	64.3	M6	.1	114.6
2MS6	.0	61.9	2SM6	.0	79.1
3MK7	.0	319.0	M8	.0	183.0

TIDAL CONSTITUENTS

Stn 8500 COASTAL ZONE - STATION 3 48 15.7 N 125 45.5 W

Starting time of analysed data 00 Min 12 Hr 20 Day 01 Mon 82 Yr PST
Length of Data 181 Days

CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG	CONSTITUENT	AMPLITUDE (MBARS)	GREENWICH PHASE LAG
Z0	.0	180.0	SSA	.9	240.4
MM	2.3	154.1	MSF	1.0	185.3
MF	1.2	186.2	ALP1	.3	100.1
2Q1	.6	120.5	Q1	4.5	110.3
O1	26.1	113.5	TAU1	.4	76.5
BET1	.2	140.0	NO1	3.0	105.7
P1	12.6	118.5	K1	42.4	121.2
PHI1	.8	116.6	J1	2.4	121.5
SO1	.4	139.5	OO1	1.4	142.0
UPS1	.3	147.9	EPS2	.3	320.1
MU2	1.7	319.8	N2	18.2	342.5
M2	88.8	3.4	MKS2	.2	288.6
L2	2.1	15.6	S2	25.3	25.0
K2	7.3	13.5	MSN2	.2	235.1
ETA2	.5	30.4	MO3	.1	345.7
M3	.2	302.3	SO3	.0	300.0
MK3	.1	296.3	SK3	.3	21.1
MN4	.1	42.0	M4	.1	96.2
SN4	.0	352.4	MS4	.1	205.7
MK4	.0	72.8	S4	.1	228.8
SK4	.1	358.7	2MK5	.1	229.9
2SK5	.1	71.5	2MN6	.1	84.2
M6	.1	115.1	2MS6	.0	52.6
2MK6	.0	191.4	2SM6	.0	121.7
MSK6	.0	238.5	3MK7	.0	145.2
M8	.0	135.6			

PART

2

DATA RECORD OF CURRENT OBSERVATIONS
VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)
PART 2

W.S. Huggett, W.R. Crawford, R.E. Thomson, M.V. Woodward

INSTITUTE OF OCEAN SCIENCES

SIDNEY, B.C.

DATA RECORD OF CURRENT OBSERVATIONS

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COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)

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SIDNEY, B.C.

1987

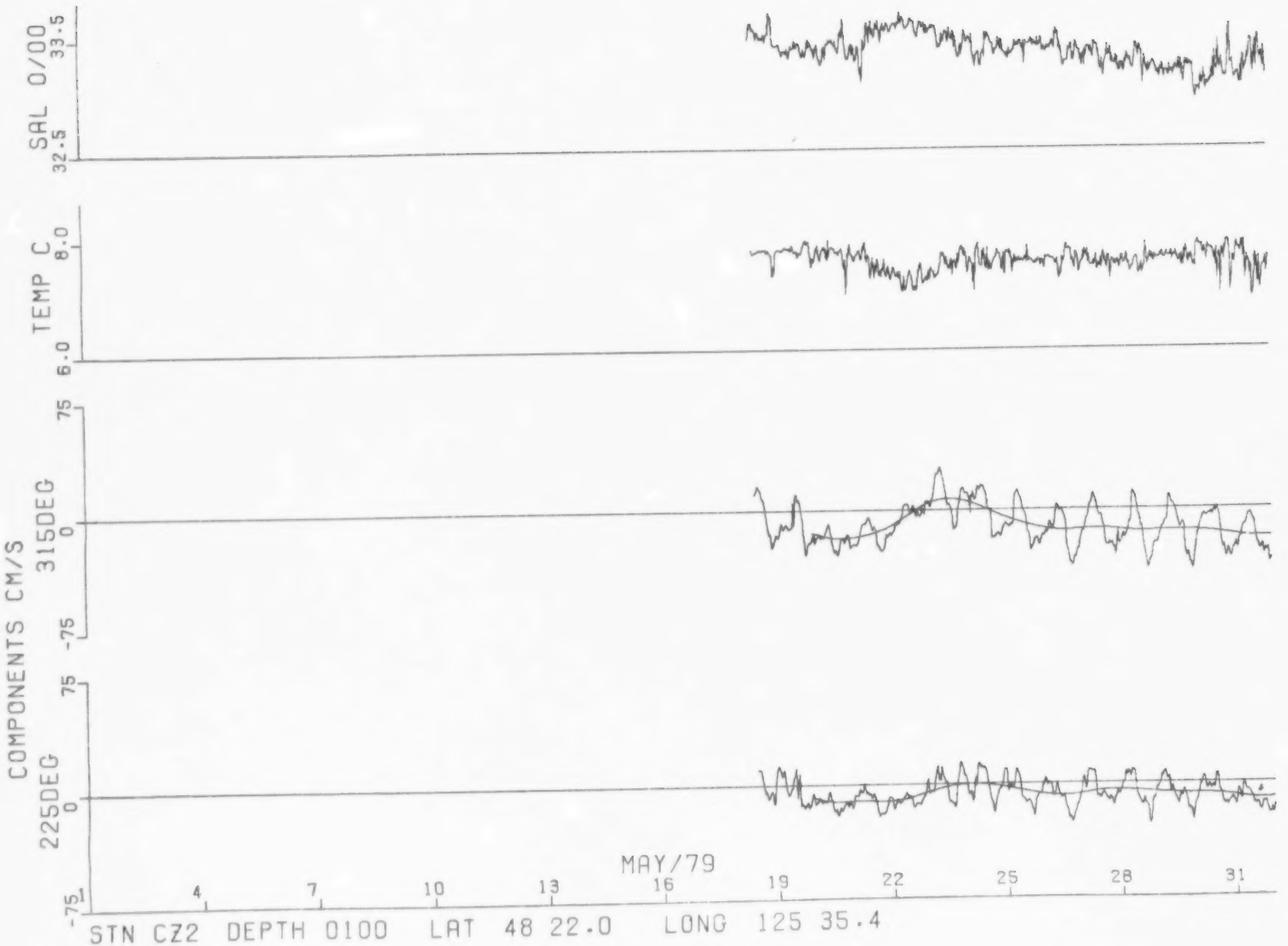
ABSTRACT

Current meter data from the west coast of Vancouver Island for the years 1979-81 are summarized. Temperature and salinity measurements coincident with the current observations are also shown. Tidal data from both onshore and offshore pressure gauges are given in Part 1.

INDEX

Station	Depth	Start Time					Length		Page
CZ2	100	30	11	18	05	79	121		1
CZ3	50		10	19	05	79	136		10
CZ3	100		10	19	05	79	136		20
CZ4	70	30	14	19	05	79	43		29
CZ4	120	30	14	19	05	79	136		36
CZ4	270	30	14	19	05	79	136		46
E01	55		15	07	05	79	156		56
E01	55						194	Harmonic Analysis	239
E01	89		15	07	05	79	95		66
E02	50		23	07	05	79	79		75
E02	100		19	07	05	79	129		81
E2A	26	30	15	07	05	79	126		89
E2A	26							Harmonic Analysis	241
E03	315	30	09	08	05	79	127		97
E3A	750		17	09	05	79	81		105
E3A	750							Harmonic Analysis	242
E04	40	30	13	08	05	79	77		111
E04	335	30	14	08	05	79	136		117
E04	535	30	14	08	05	79	136		125
E04	735	30	14	08	05	79	136		133
E04	735						290	Harmonic Analysis	243
E04	1235	30	14	08	05	79	136		141
E04	1485		12	08	05	79	61		150
E05	5		12	09	05	79	64		155
E05	5							Harmonic Analysis	245
E05	450		12	09	05	79	125		161
E05	950	30	12	09	05	79	117		170
E05	1950	30	09	17	05	79	54		177
B01	113		17	11	05	79	129		183

Station	Depth	Start Time	Length		Page
B2D	295	30 15 11 05 79	128		191
B2D	295			Harmonic Analysis	246
B2D	740	30 15 11 05 79	128		199
B2D	740			Harmonic Analysis	297
B2D	1240	30 15 11 05 79	128		207
B2D	1240			Harmonic Analysis	248
B03	20	11 11 05 79	128		215
B03	20			Harmonic Analysis	249
B03	465	11 11 05 79	128		223
B03	465			Harmonic Analysis	250
B03	965	11 11 05 79	128		231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225DEG
75
0
-75
MAY/79
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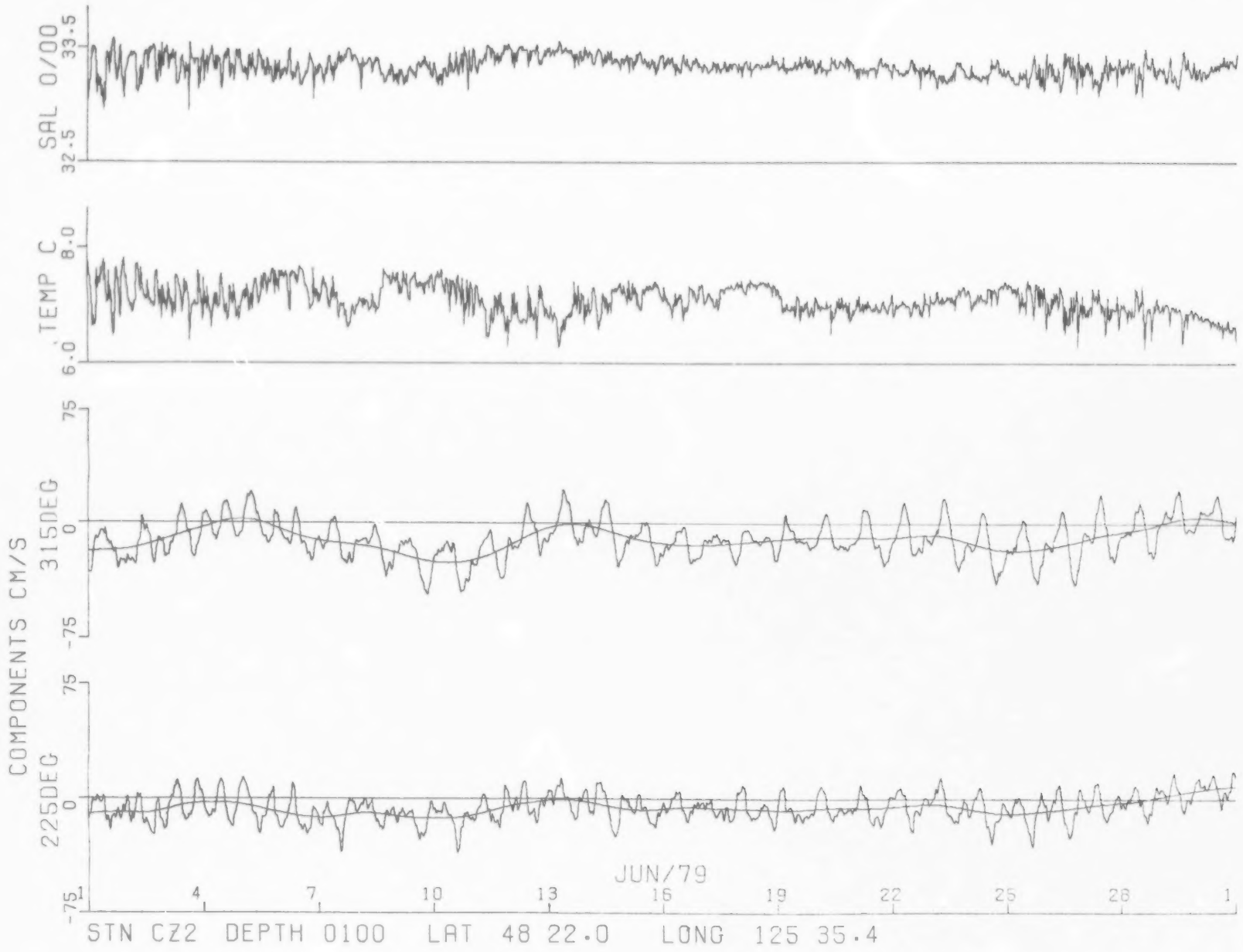
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 35.4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-75
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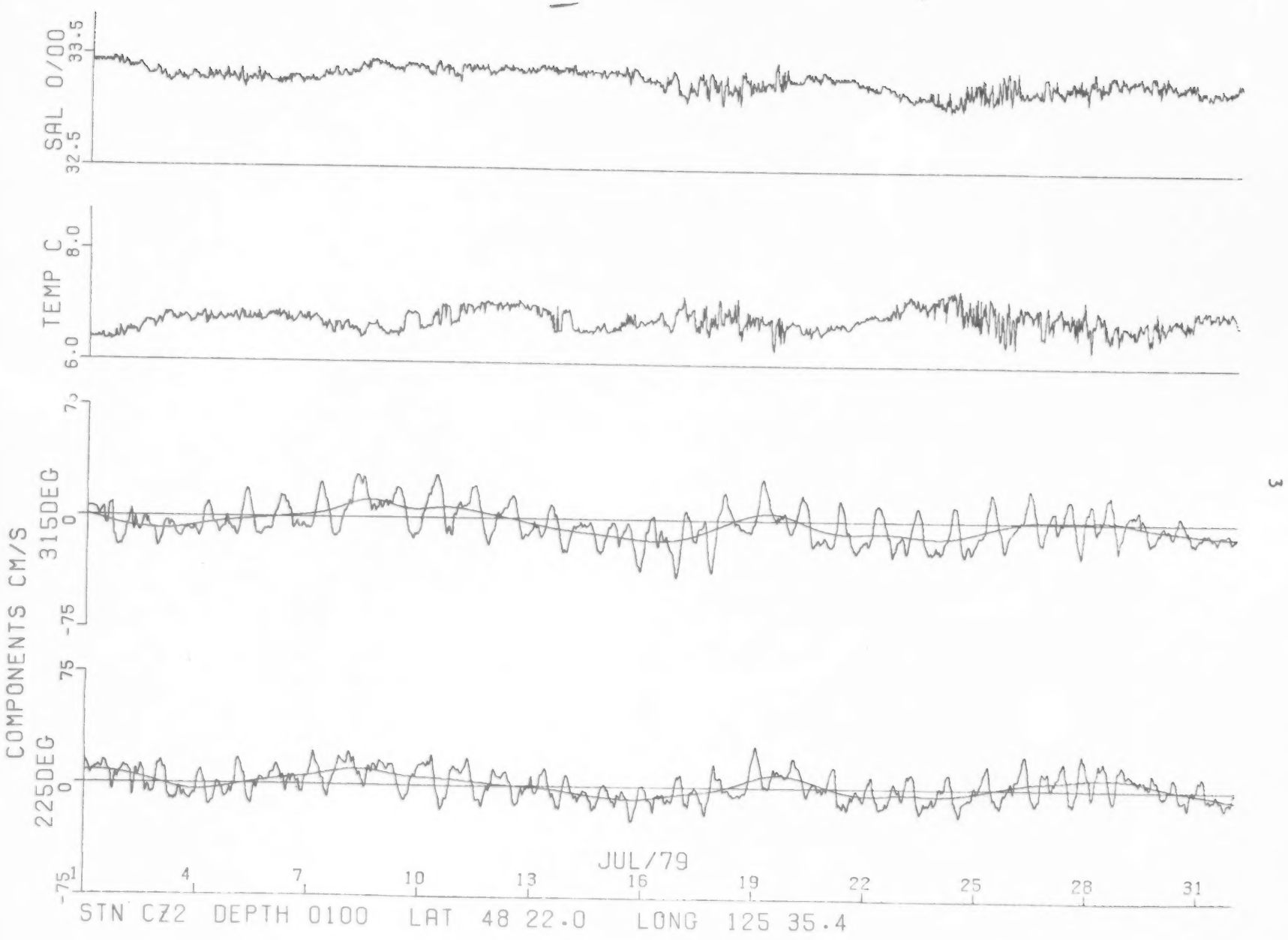
STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 35.4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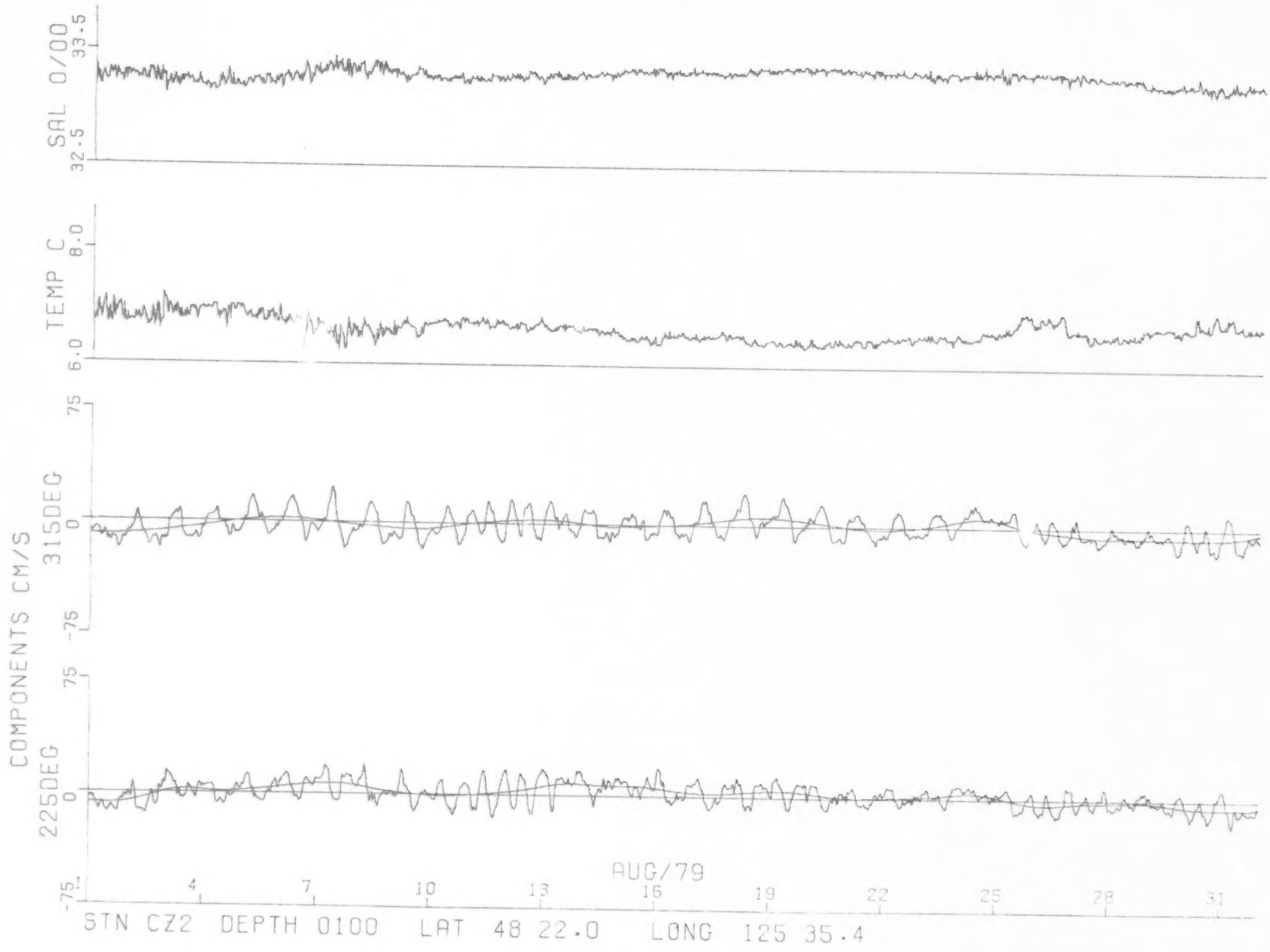
STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 35.4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-75
AUG/79
1
4
7
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13
16
19
22
25
28
31
STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 35.4

SAL 0/00
32.5
33.5
TEMP C
6.0
8.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
SEP/79
STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 35.4

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ2 Depth 0100 PACHENA POINTT 48 22.0 N 125 35.4 W Length of record .EQ. 121 Days
Start of record 30 mn 11 hr 18 dy 5 mo 79 yr PST Rate of obser. = 2 per Hour

DIR	cm/s 001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	033	034	005																						74
10- 19	003	021	043	006																						73
20- 29	002	041	044	007																						94
30- 39	001	041	041	008	001																					92
40- 49	003	034	043	017	001																					98
50- 59	002	041	049	019	006																					117
60- 69	004	047	044	023	010	001	001																			130
70- 79	003	051	080	034	017	005	001	003																		194
80- 89	005	059	078	073	034	018	009	005	002	001																284
90- 99	006	071	099	081	044	037	041	009	012	009																409
100-109	004	063	090	102	073	067	054	014	017	015																499
110-119	006	082	089	076	079	060	037	028	010	009	001															477
120-129	006	081	115	053	060	028	021	012	005	001																382
130-139	004	078	105	051	032	015	003	002																		290
140-149	004	067	078	019	014	003	002																			187
150-159	002	067	048	021	013	001																				152
160-169	006	052	051	014	006																					129
170-179	009	050	050	013	004	001																				127
180-189	001	057	035	014	001																					108
190-199	004	029	032	009	001																					75
200-209	003	052	047	008	001																					111
210-219	005	041	023	008																						77
220-229	004	040	025	010	002																					81
230-239	001	042	048	015	002	001																				109
240-249	002	041	046	032	007	001																				129
250-259	004	040	060	031	010	003																				148
260-269	002	046	065	045	018	006																				182
270-279		041	050	042	026	007	004	002																		172
280-289	003	031	033	050	018	006	006	003																		150
290-299		029	046	030	023	007	005																			140
300-309	004	042	044	025	014	005	002																			136
310-319	002	022	037	022	010	005																				98
320-329	002	027	034	016	003	003																				85
330-339	004	035	030	007	006																					82
340-349		027	027	009																						63
350-359	001	030	020	009																						60
	1651	1004	200	78	35	0	0	0	0	0	0	0	0	5014												
	114	1883	536	186	46	1	0	0	0	0	0	0	0													

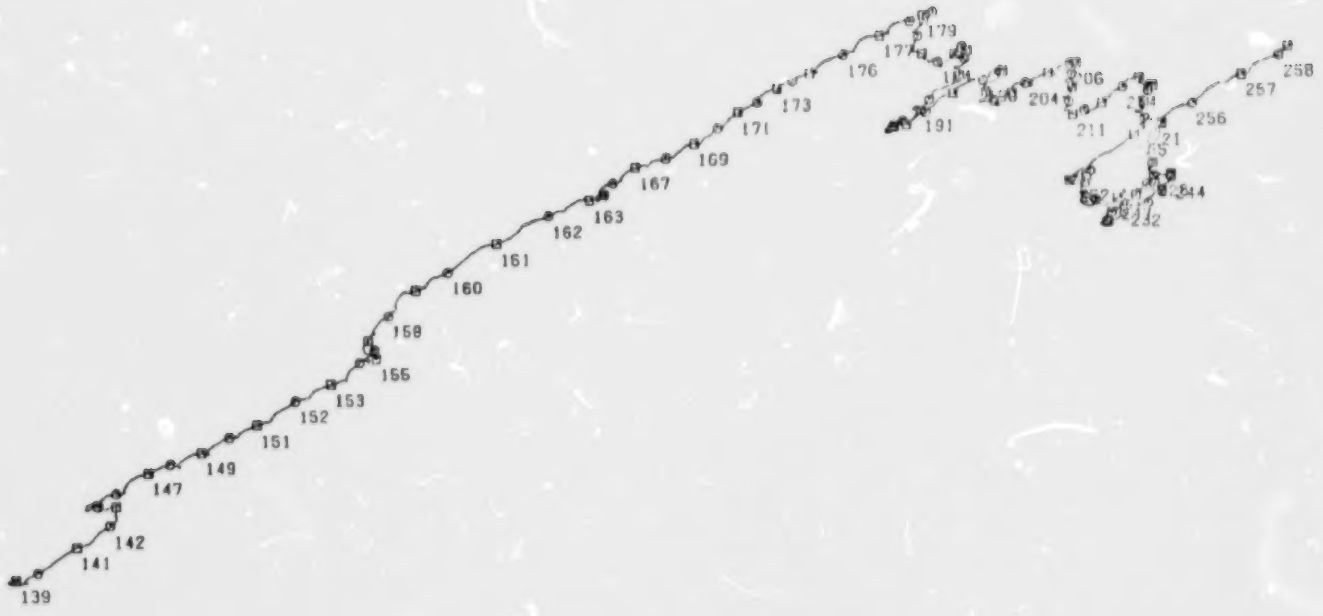
Number of zero rates: 0

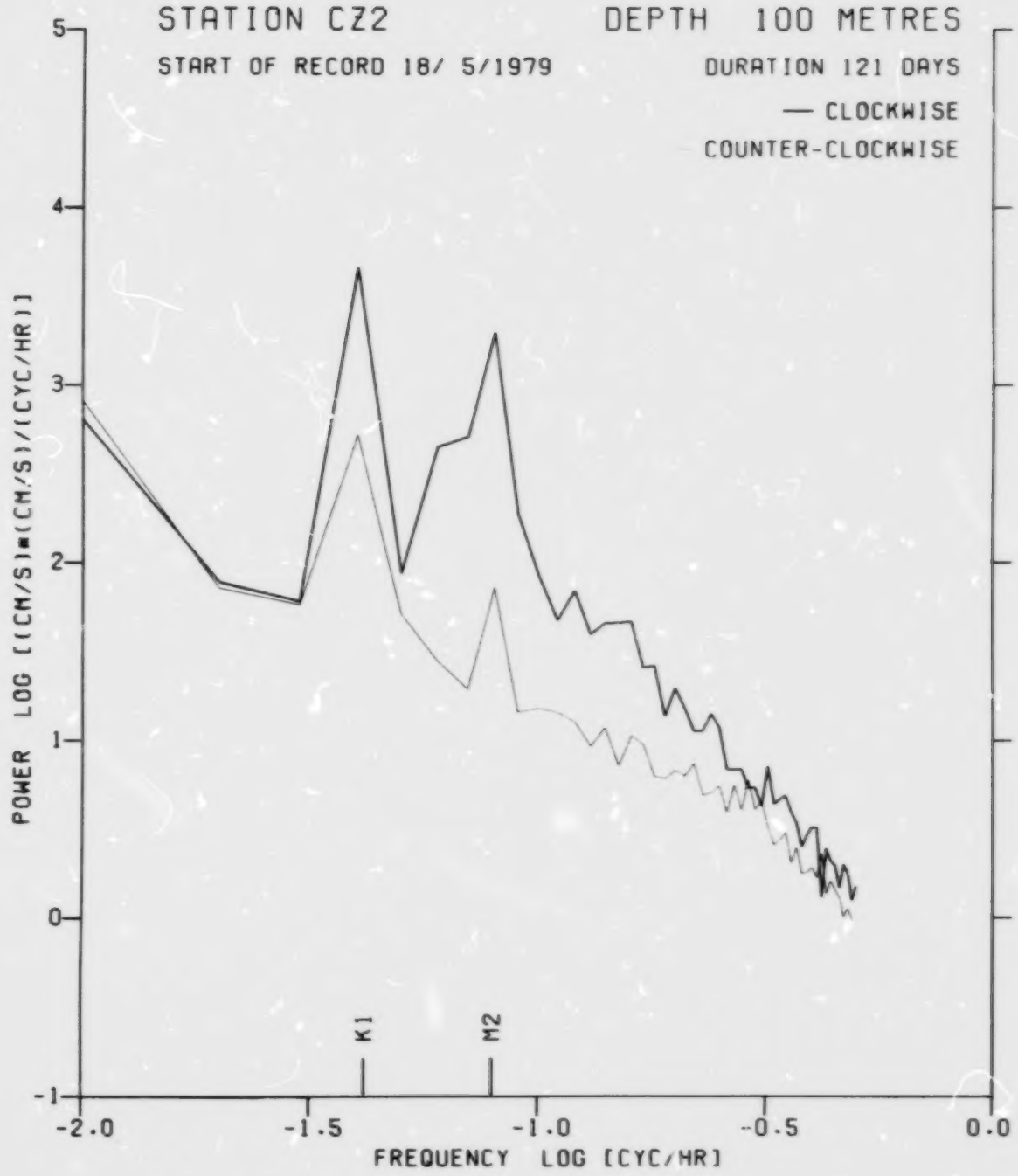
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

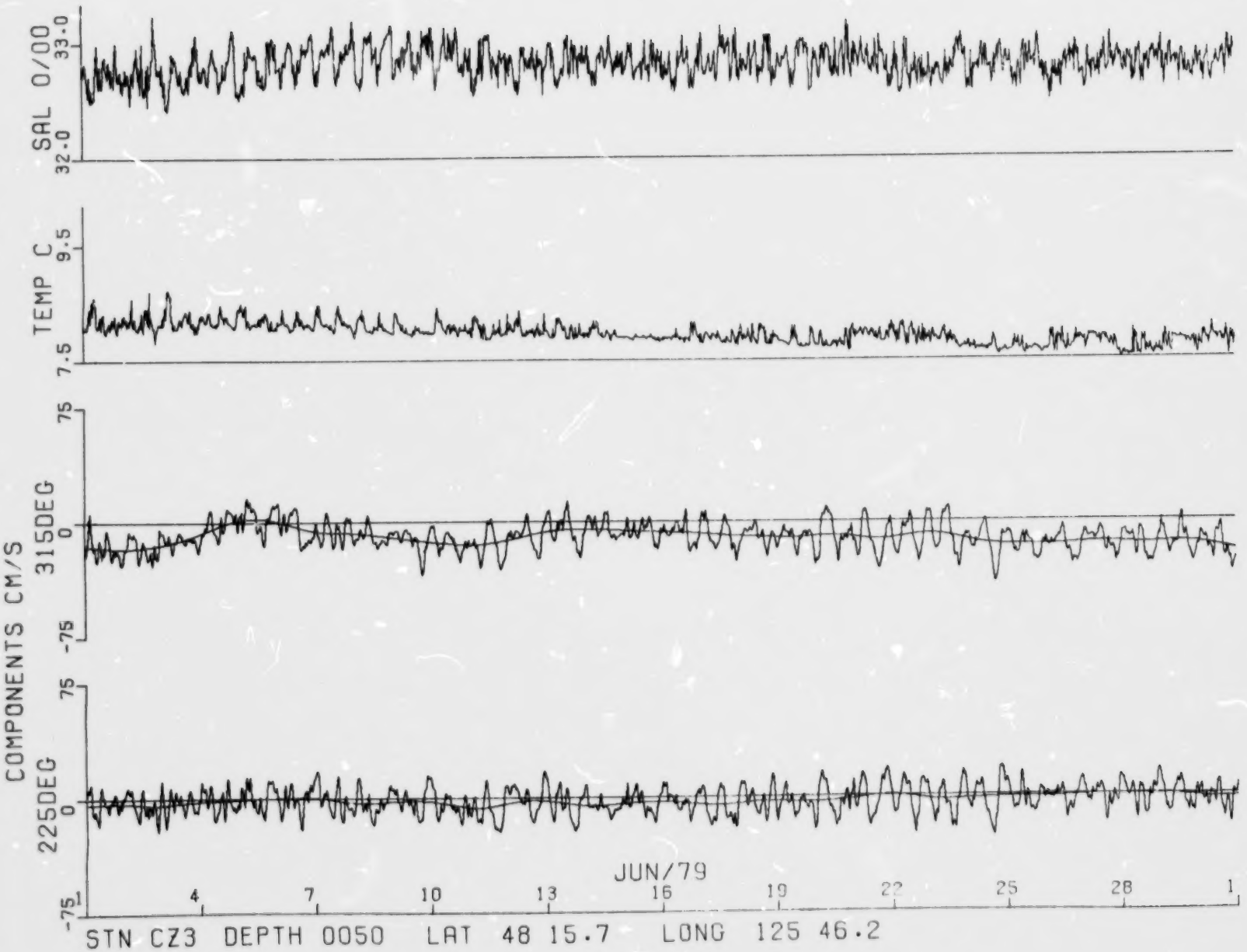
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ2	0100M	8500	138/79	121

SCALE ⊢—·—·—·—·—⊣
100 KM



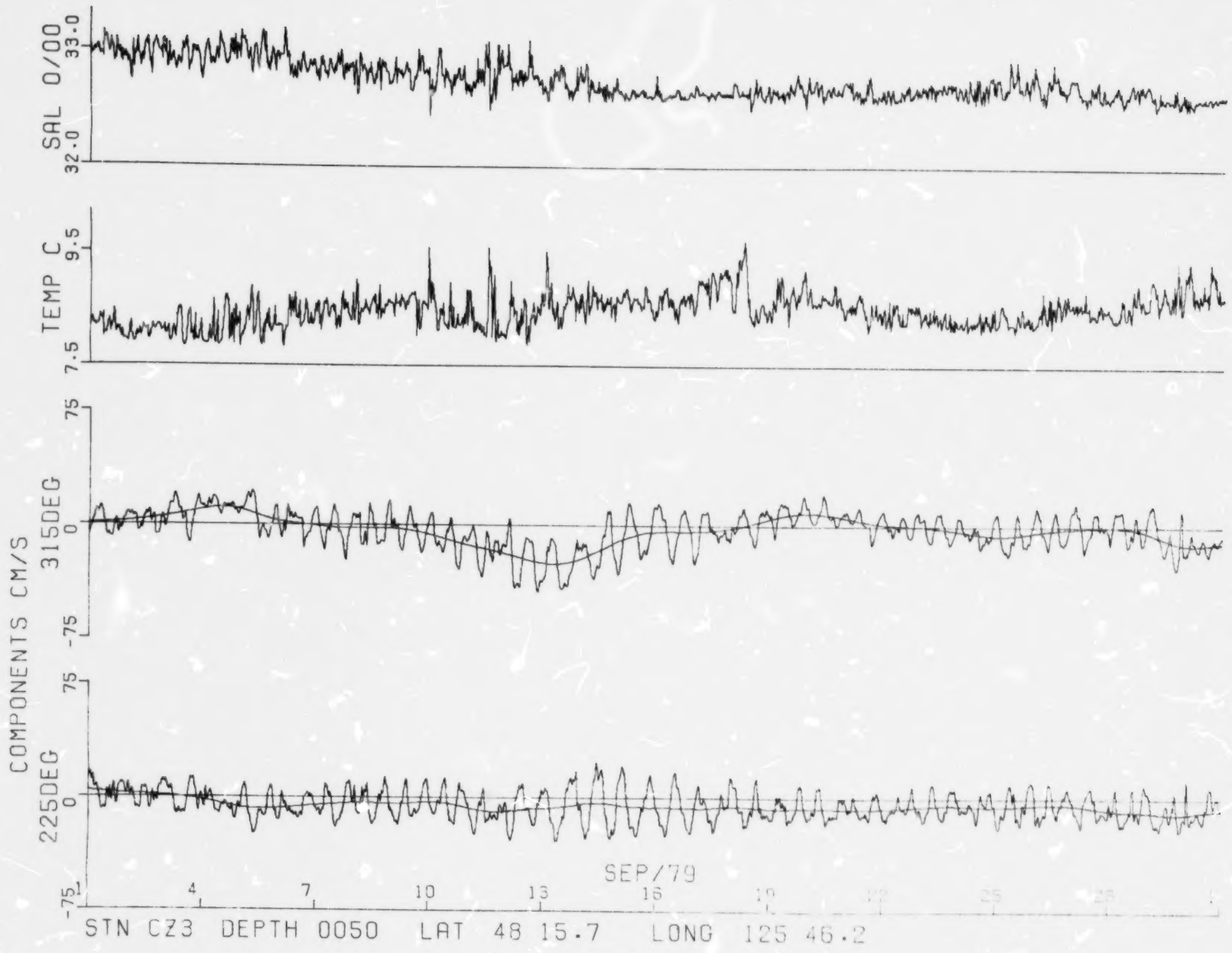

STATION CZ2
DEPTH 100 METRES
START OF RECORD 18/ 5/1979
DURATION 121 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN CZ3 DEPTH 0050 LAT 48 15.7 LONG 125 46.2
MAY/79
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
7.5
9.5
32.0
33.0


SAL O/OO
33.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
1
STN CZ3 DEPTH 0050 LAT 48 15.7 LONG 125 46.2

SAL 0/00
32.0
33.0
TEMP C
7.5
9.5
COMPONENTS CM/S
315DEG
225DEG
.75
0
-.75
4
7
10
13
16
19
22
25
28
31
JUL/79
STN CZ3 DEPTH 0050 LAT 48 15.7 LONG 125 46.2

SAL 0/00
32.0
33.0
TEMP C
7.5
9.5
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
AUG/79
4
7
10
13
16
19
22
25
28
31
STN CZ3 DEPTH 0050 LAT 48 15.7 LONG 125 46.2


SAL O/OO
33.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
SEP/79
STN CZ3 DEPTH 0050 LAT 48 15.7 LONG 125 46.2

STN CZ3 DEPTH 0050 LAT 48 15.7 LONG 125 46.2
OCT/'79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
-75
75
315DEG
-75
0
75
TEMP C
7.5
9.5
SAL 0/00
32.0
33.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ3 Depth 0050 PACHENA POINT 48 15.7 N 125 46.2 W Length of record .EQ. 136 Days
Start of record 0 mn 10 hr 19 dy 5 mo 79 yr PST Rate of obser. = 2 per Hour

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
cm/s																										
0- 9	001	025	033	015		001																				75
10- 19	001	026	048	017	003	001																				96
20- 29	002	030	059	028	010	002																				131
30- 39	002	024	047	023	004																					100
40- 49		044	058	034	006	001																				143
50- 59		042	069	034	018	005																				168
60- 69		034	062	043	022	008	001																			170
70- 79		048	073	066	035	010	002																			234
80- 89	004	037	091	078	041	024	008	004																		287
90- 99	002	055	083	113	061	024	011	004	002																	355
100-109	001	053	095	105	095	037	018	008	001	002																415
110-119	001	053	094	122	122	076	024	009	009	003																513
120-129	001	061	123	103	148	099	052	014	006																	607
130-139	002	057	106	131	144	108	046	014	008																	616
140-149	004	058	101	121	113	076	050	026	014																	563
150-159	003	058	073	098	087	055	044	011	002																	431
160-169	003	049	084	090	069	045	020	008	005																	373
170-179	001	040	065	059	040	009	008	005																		227
180-189	003	045	048	036	025	008	002																			167
190-199	001	025	038	016	005	002																				87
200-209	002	027	016	010	003																					58
210-219	002	029	027	005	001	001																				65
220-229	002	012	019	004	001	001																				39
230-239	004	024	013			001																				42
240-249	001	014	021																							36
250-259	001	019	013	001	001																					35
260-269	002	022	011	003																						38
270-279	003	021	015	001	001																					41
280-289	004	027	015	010	001																					57
290-299	001	017	019	007	003																					47
300-309	002	023	011	005	002																					47
310-319		020	010	010	001																					41
320-329	002	029	021	012	001																					65
330-339		022	022	008	001																					53
340-349	004	027	026	017	006																					80
350-359	003	025	029	013	001	002																				73
	1222		1438		596		103		5		0		0		0		0		0		0		0		0	6575
	65	1742		1071		286		47		0		0		0		0		0		0		0		0		

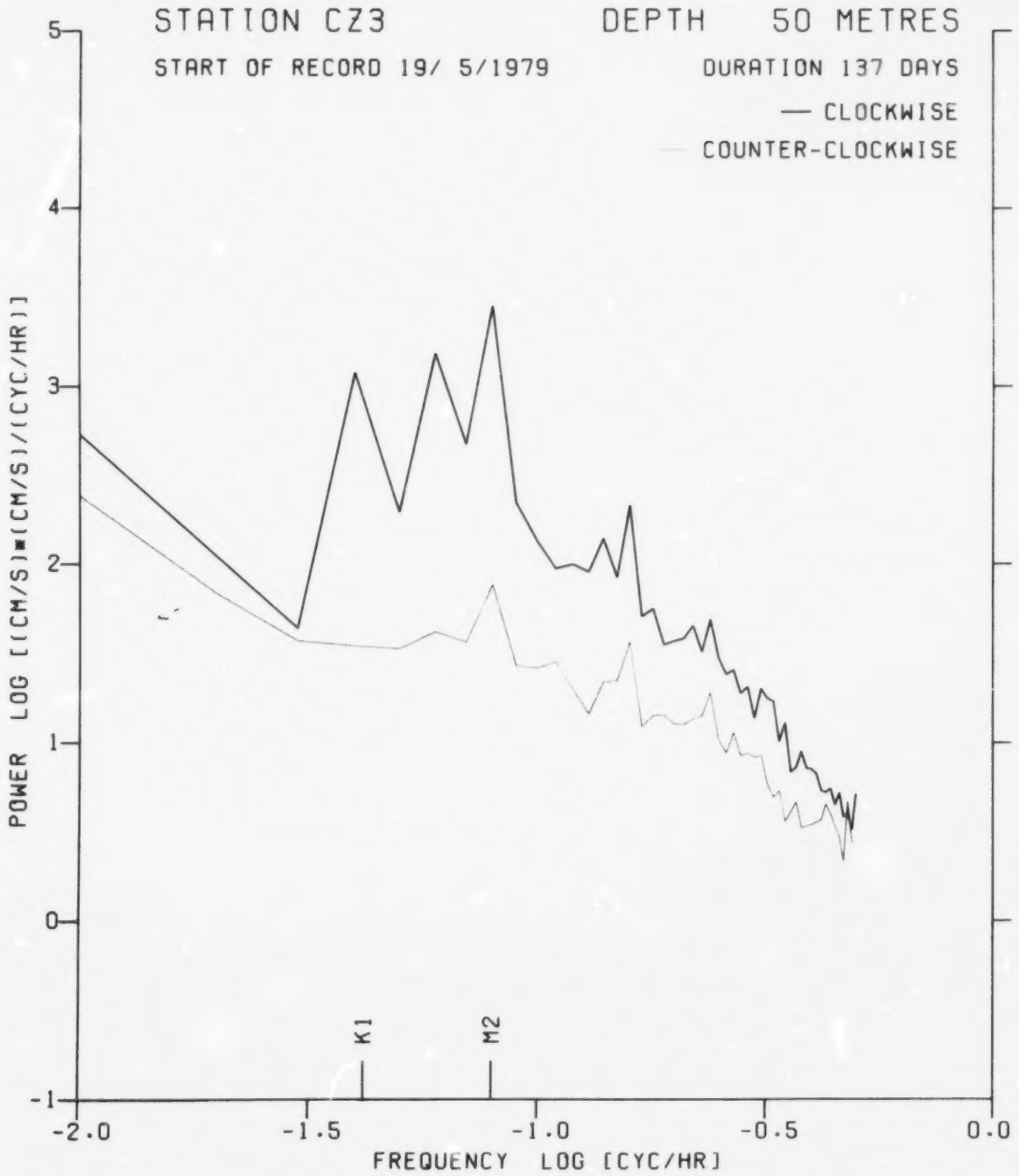
Number of zero rates: 0

PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

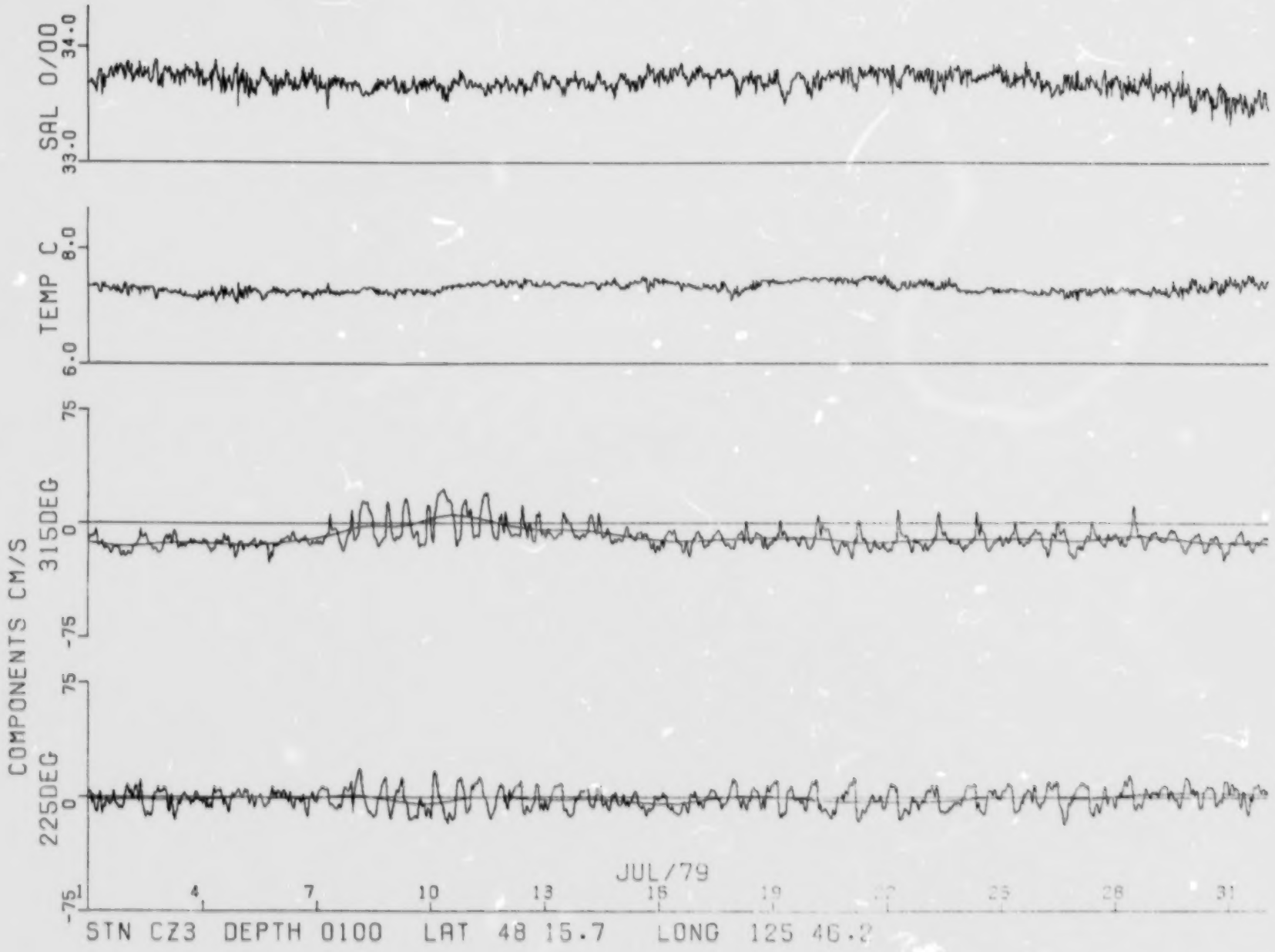
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ3	0050M	8500	139/79	137

SCALE
100 KM

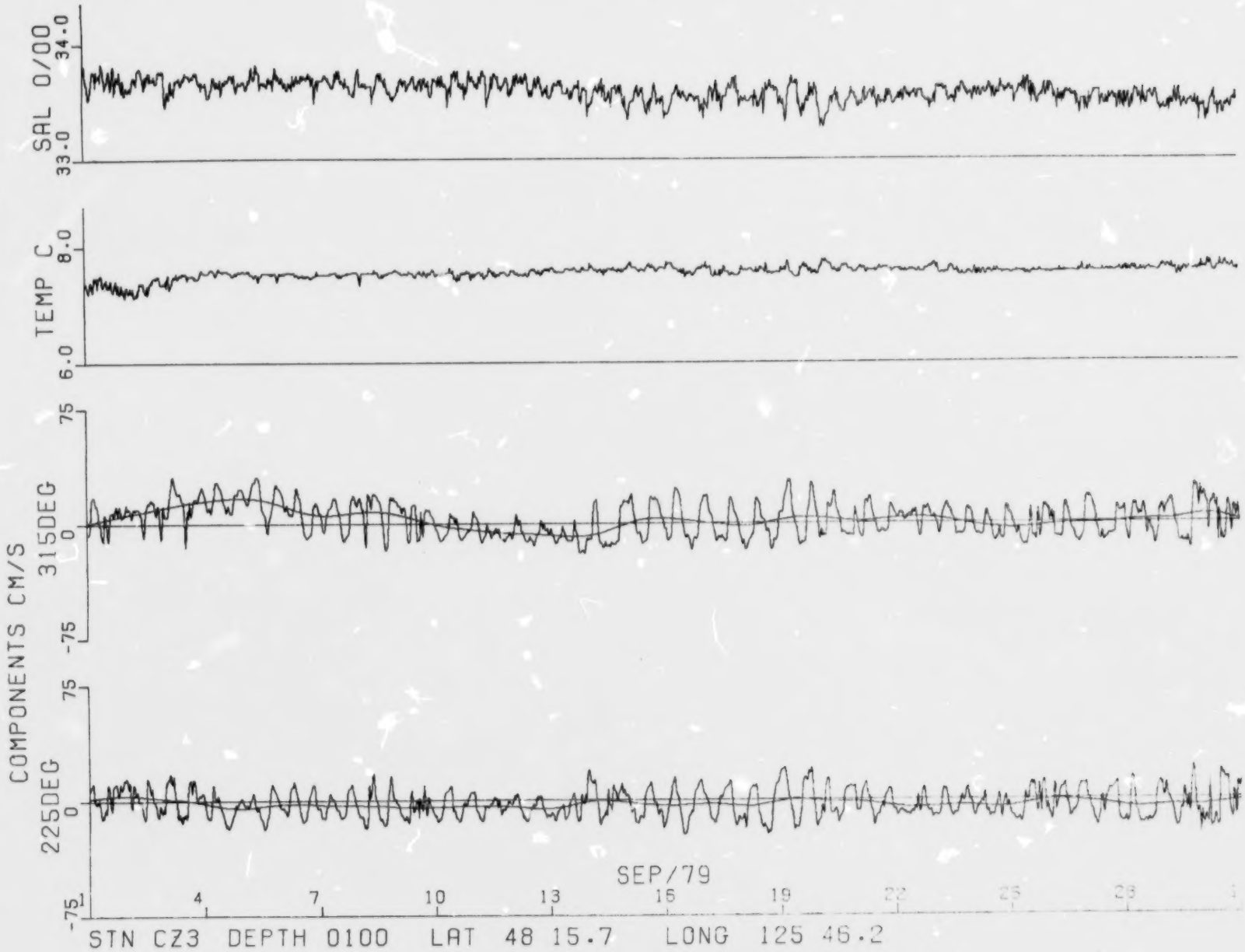

STATION CZ3
DEPTH 50 METRES
START OF RECORD 19/ 5/1979
DURATION 137 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN CZ3 DEPTH 0100 LAT 48 15.7 LONG 125 46.2
MAY/79
COMPONENTS CM/S
SAL 0/00

STN CZ3 DEPTH 0100 LAT 48 15.7 LONG 125 46.2
JUN/79
1
4
7
10
13
16
19
22
25
22
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
6.0
8.0
SAL 0/00
33.0
34.0


SAL 0/00
34.0
33.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN CZ3 DEPTH 0100 LAT 48 15.7 LONG 125 46.2

STN CZ3 DEPTH 0100 LAT 48 15.7 LONG 125 46.2
AUG/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
6.0
8.0
SAL 0/00
33.0
34.0


SAL O/OO
34.0
33.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
STN CZ3 DEPTH 0100 LAT 48 15.7 LONG 125 46.2

STN CZ3 DEPTH 0100 LAT 48 15.7 LONG 125 46.2
OCT/79
4
7
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
6.0
8.0
33.0
34.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ3 Depth 0100 PACHENA POINT 48 15.7 N 125 46.2 W Length of record .EQ. 136 Days
Start of record 0 mn 10 hr 19 dy 5 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		039	047	025	017																					128
10- 19	003	037	055	035	012																					142
20- 29	002	043	057	036	004																					142
30- 39		050	054	028	001																					133
40- 49	002	055	055	020	004																					136
50- 59	003	056	062	019	003																					143
60- 69	002	051	081	016	004																					154
70- 79	002	072	092	026	001	001																				194
80- 89	003	057	095	037	002	001																				195
90- 99	003	061	092	071	012	001																				240
100-109	005	085	142	062	014																					308
110-119	006	080	164	114	031	003																				398
120-129	005	095	154	128	049	014																				445
130-139	007	095	178	136	074	015	003																			508
140-149	003	118	185	157	084	018	001																			566
150-159	003	125	232	163	061	013	004																			601
160-169	002	141	226	125	044	005																				543
170-179		076	146	046	007																					275
180-189	001	057	082	023	002																					165
190-199	002	026	022	012	006																					68
200-209	001	023	016	011	003																					54
210-219		025	019	007	002																					53
220-229		019	017	005																						41
230-239		013	013	009	002																					37
240-249	002	017	032	009	005																					65
250-259		012	019	006	004																					41
260-269	002	012	024	008	001																					47
270-279		011	015	005	002																					33
280-289	001	017	017	003	003	002																				43
290-299		014	021	010	002		001																			48
300-309	002	024	025	015	008	002	001																			77
310-319	002	028	023	031	014	008																				106
320-329	002	023	036	028	017	008	001																			115
330-339		025	030	024	015	002	003																			117
340-349		024	027	033	010	003																				116
350-359	001	030	040	023	017																					119
	1744		1506		96		0		0		0		0		0		0		0		0		0		0	5[illegible]
	67	2603		545		14		0		0		0		0		0		0		0		0		0		

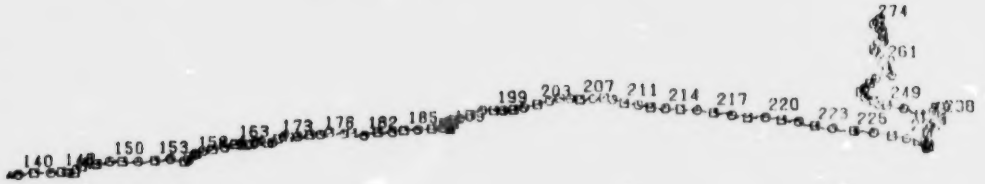
Number of zero rates: 0

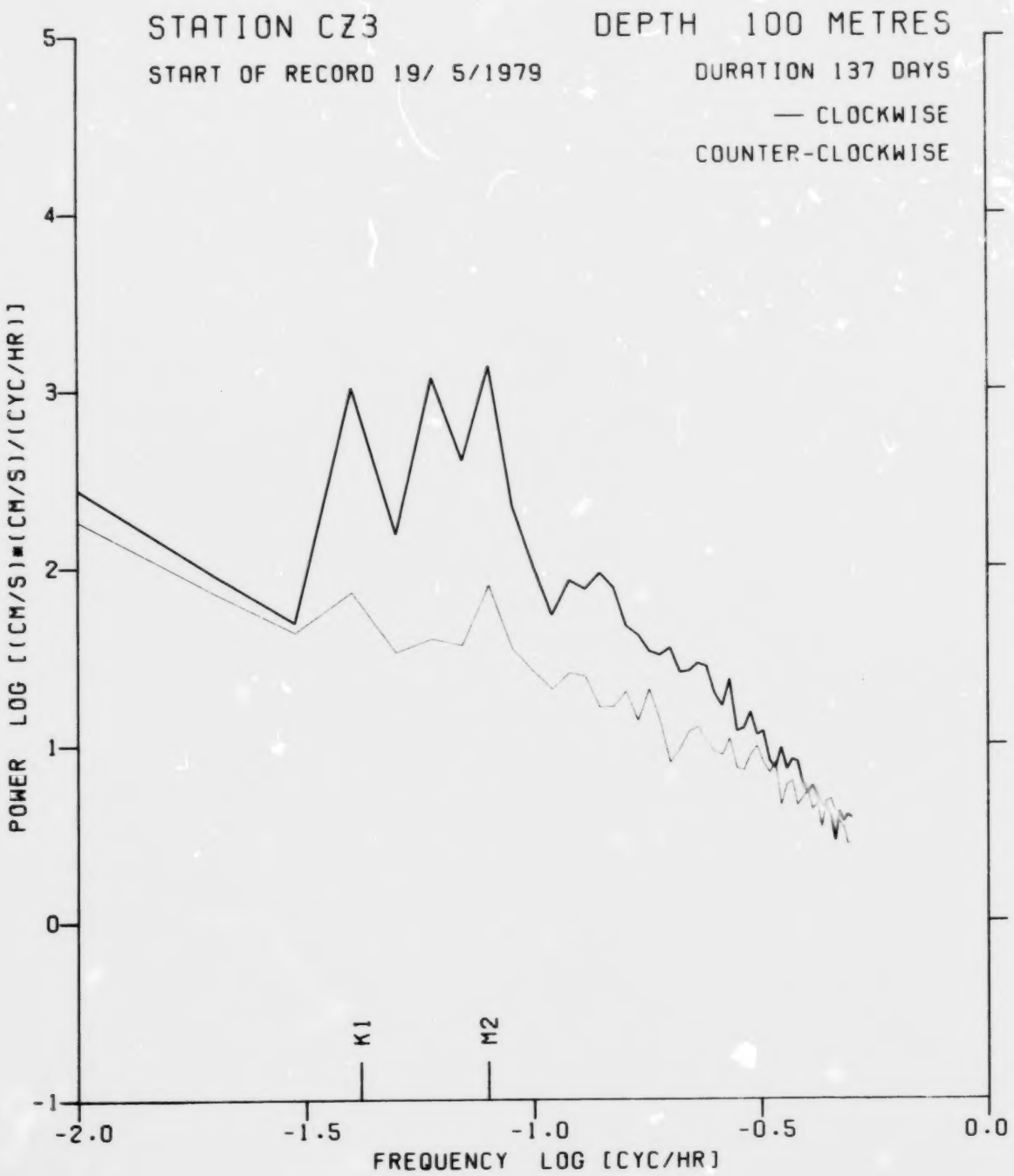
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

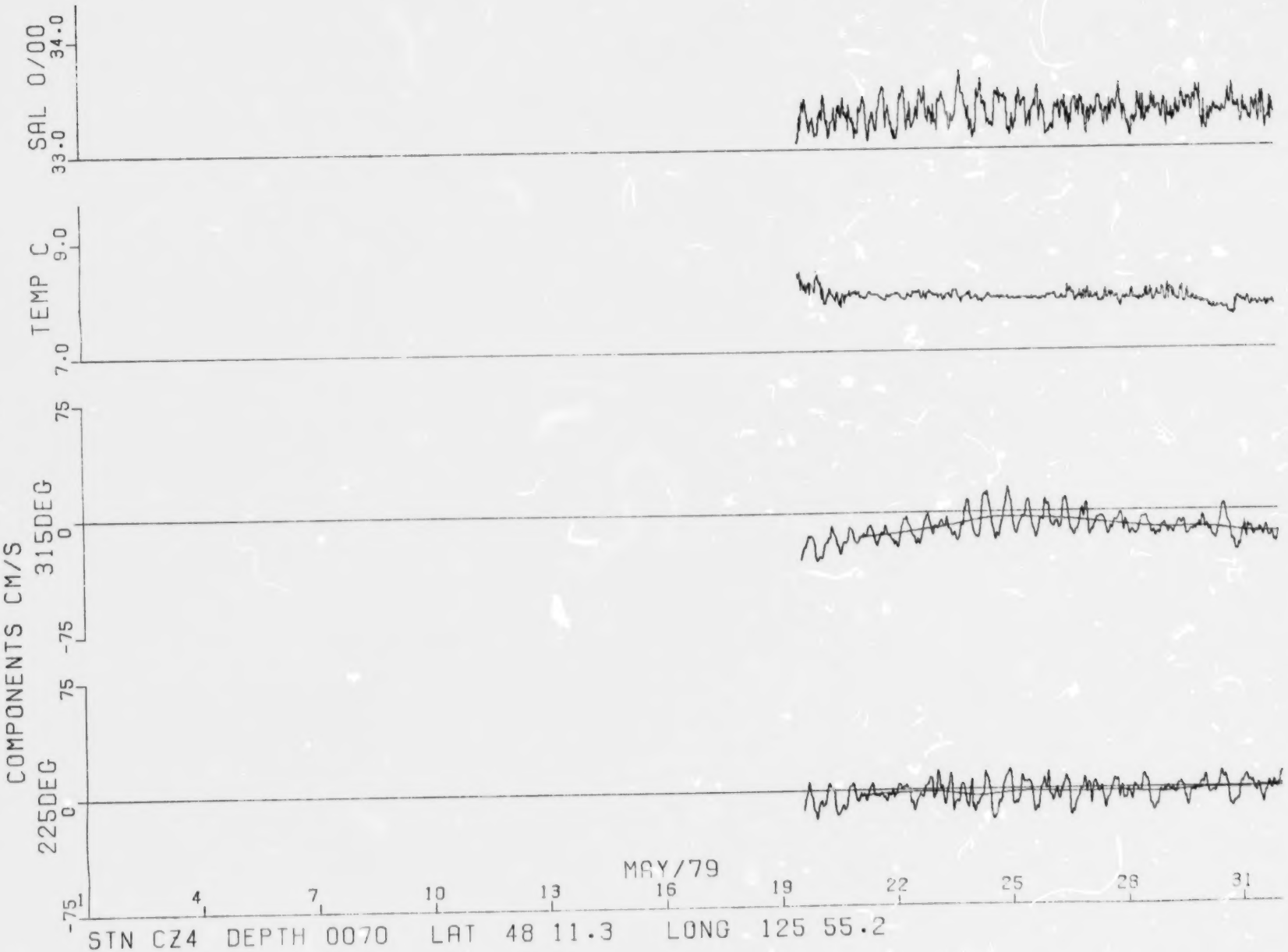
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

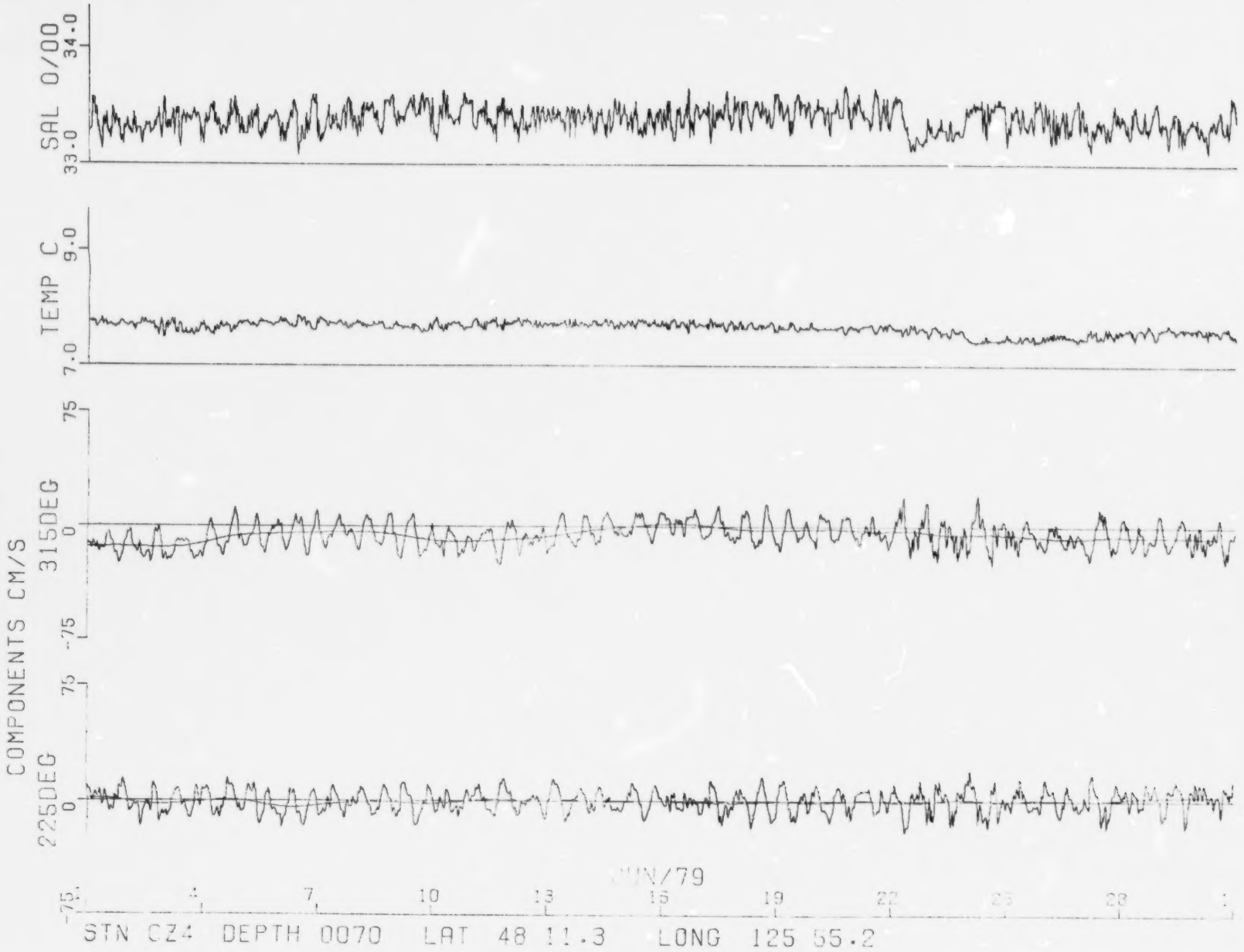
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ3	0100M	8500	139/79	137

SCALE
100 KM




STATION CZ3
DEPTH 100 METRES
START OF RECORD 19/ 5/1979
DURATION 137 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0070 LAT 48 11.3 LONG 125 55.2


SAL O/OO
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
STN CZ4 DEPTH 0070 LAT 48 11.3 LONG 125 55.2

STN CZ4 DEPTH 0070 LAT 48 11.3 LONG 125 55.2
JUL/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
7.0
9.0
33.0
34.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0070 PACHENA POINT 48 11.3 N 125 55.2 W Length of record .EQ. 43 Days
Start of record 30 mn 14 hr 19 dy 5 mo 79 yr PST Rate of obser. = 2 per Hour

DIR	cm/s 001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	003	016	003	003																						25
10- 19	002	011	012	002																						27
20- 29		008	006	001																						15
30- 39	001	017	010	004																						32
40- 49	003	017	018	002																						40
50- 59	002	022	011	004	001																					40
60- 69	002	020	019	012																						53
70- 79	003	036	017	009	002																					67
80- 89	001	027	028	021	007																					84
90- 99	001	029	030	029	009	004																				102
100-109	003	027	032	031	010	001																				104
110-119		027	033	044	021	009	003																			137
120-129	003	027	062	059	019	005	003																			178
130-139	005	025	061	040	019	002																				152
140-149	004	030	051	043	016	005																				149
150-159	008	045	061	034	011	004																				163
160-169	005	028	047	020	007	002																				109
170-179	003	024	030	013	003	001																				74
180-189	001	032	024	016	001																					74
190-199	002	024	013	003	001																					43
200-209	004	016	013	002																						35
210-219	006	018	008	002																						34
220-229	002	021	009	001																						33
230-239	002	013	009		001																					25
240-249	004	013	014	002																						33
250-259	005	009	011	002																						27
260-269	002	008	001																							11
270-279	006	020	006	001																						33
280-289	001	015	003	001																						20
290-299	003	013	002	002																						20
300-309	002	018	004																							24
310-319	001	020	007																							28
320-329	002	013	006	001																						22
330-339		020	004	001	001																					26
340-349	003	011	002	003	001																					20
350-359	002	015	005																							22
	735		408		33		0		0		0		0		0		0		0		0		0		0	2001
	97		672		130		6		0		0		0		0		0		0		0		0		0	

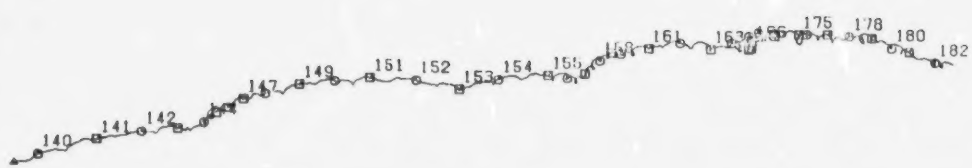
Number of zero rates: 0

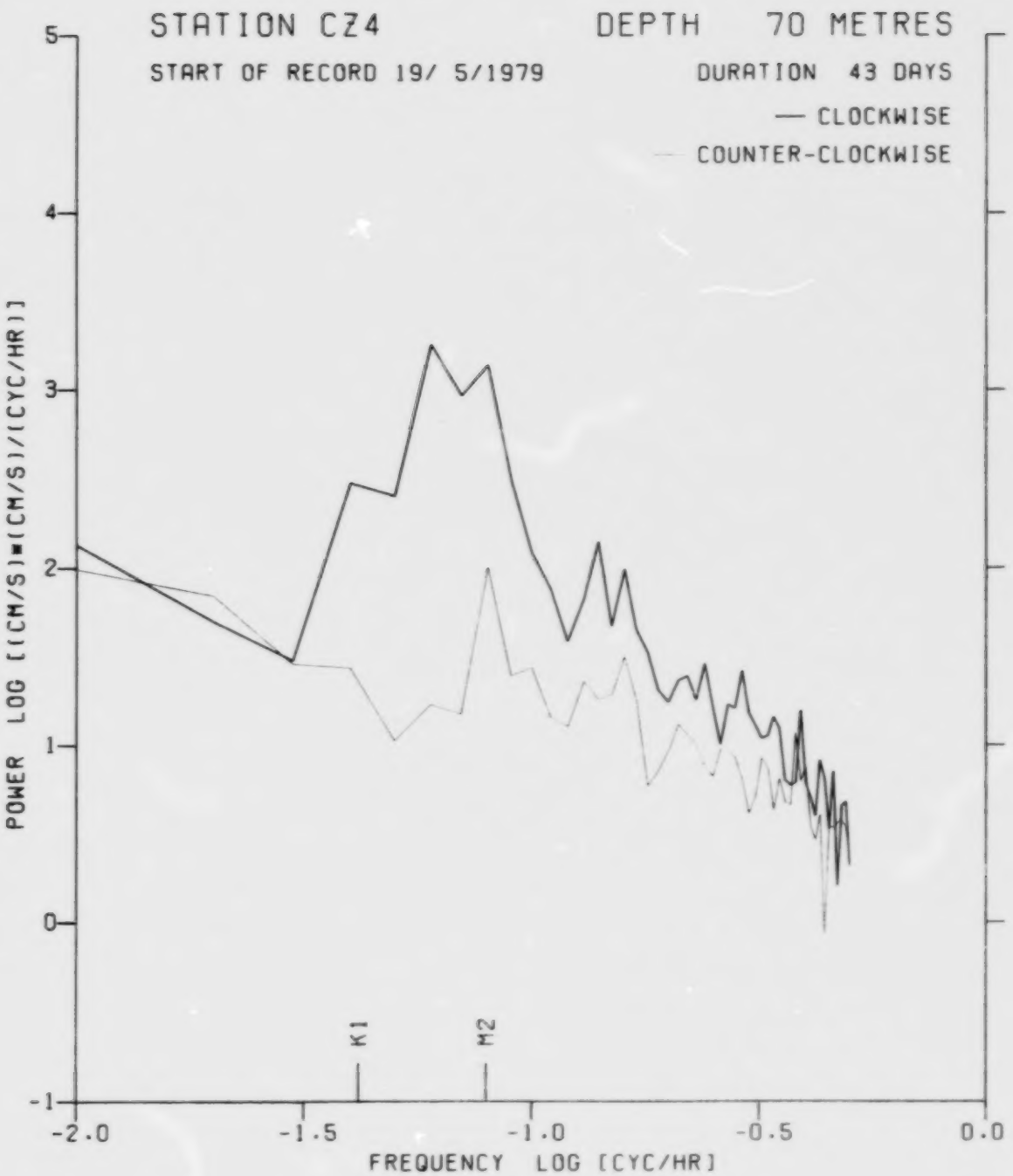
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

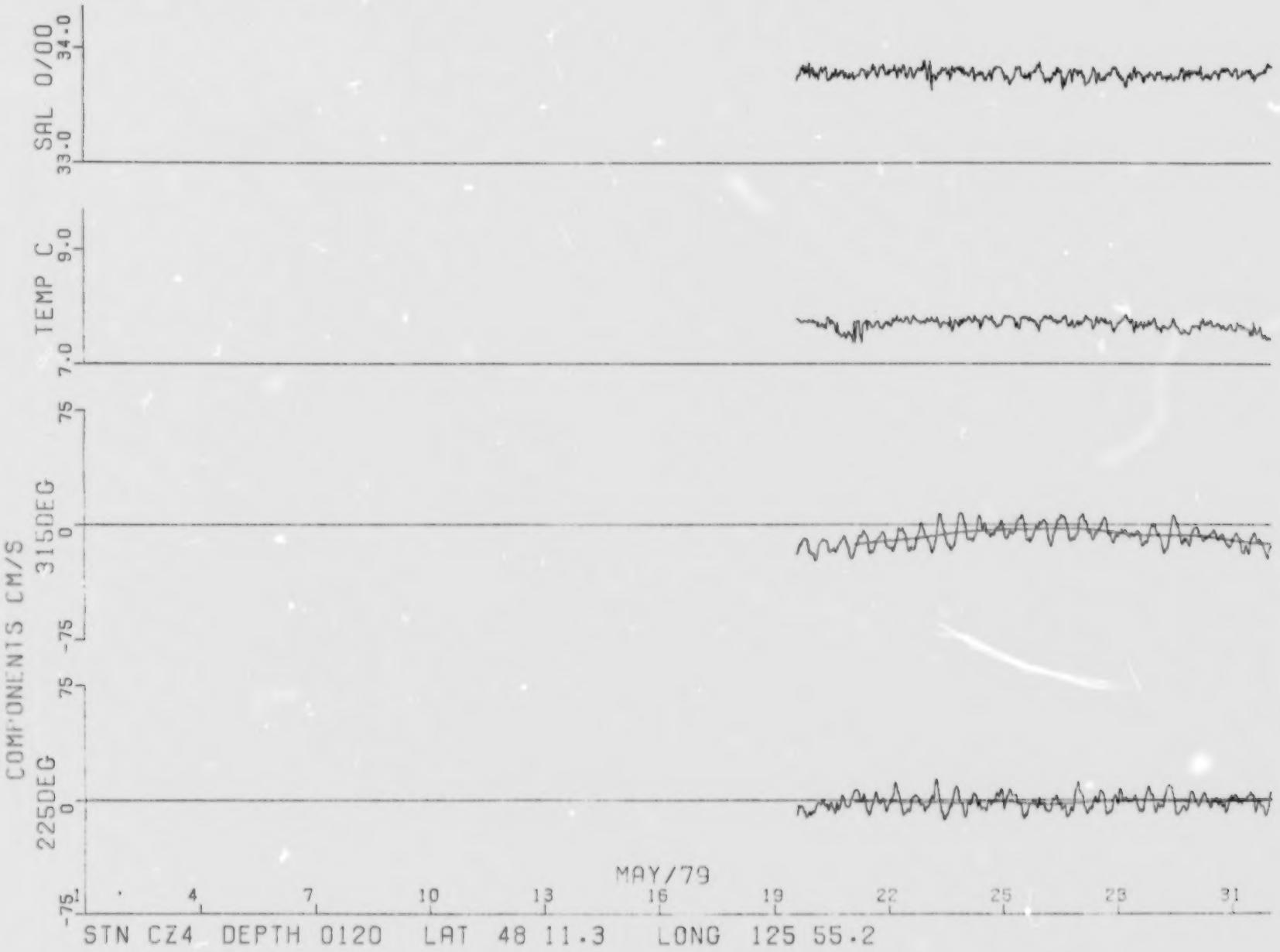
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

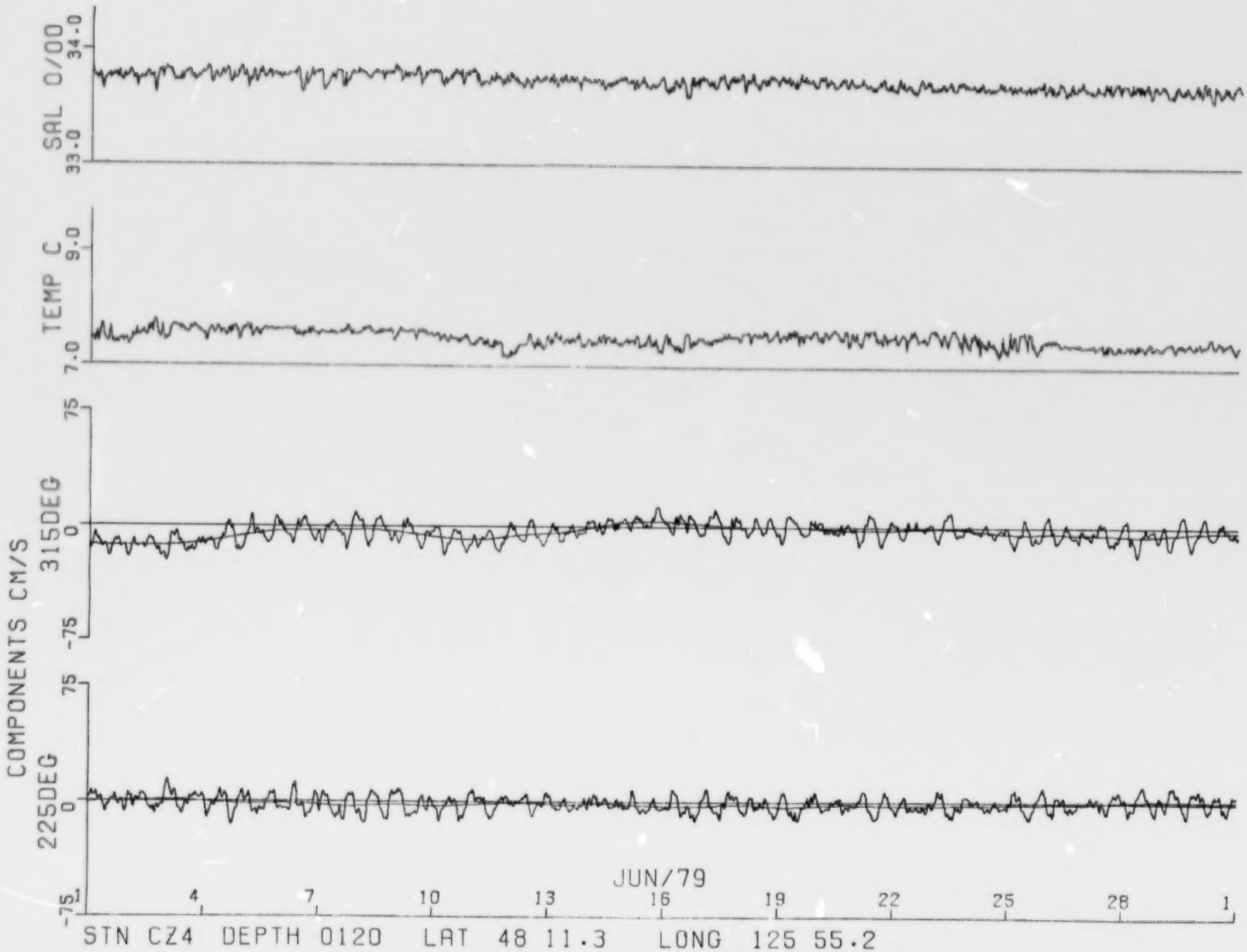
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0070M	8500	139/79	43

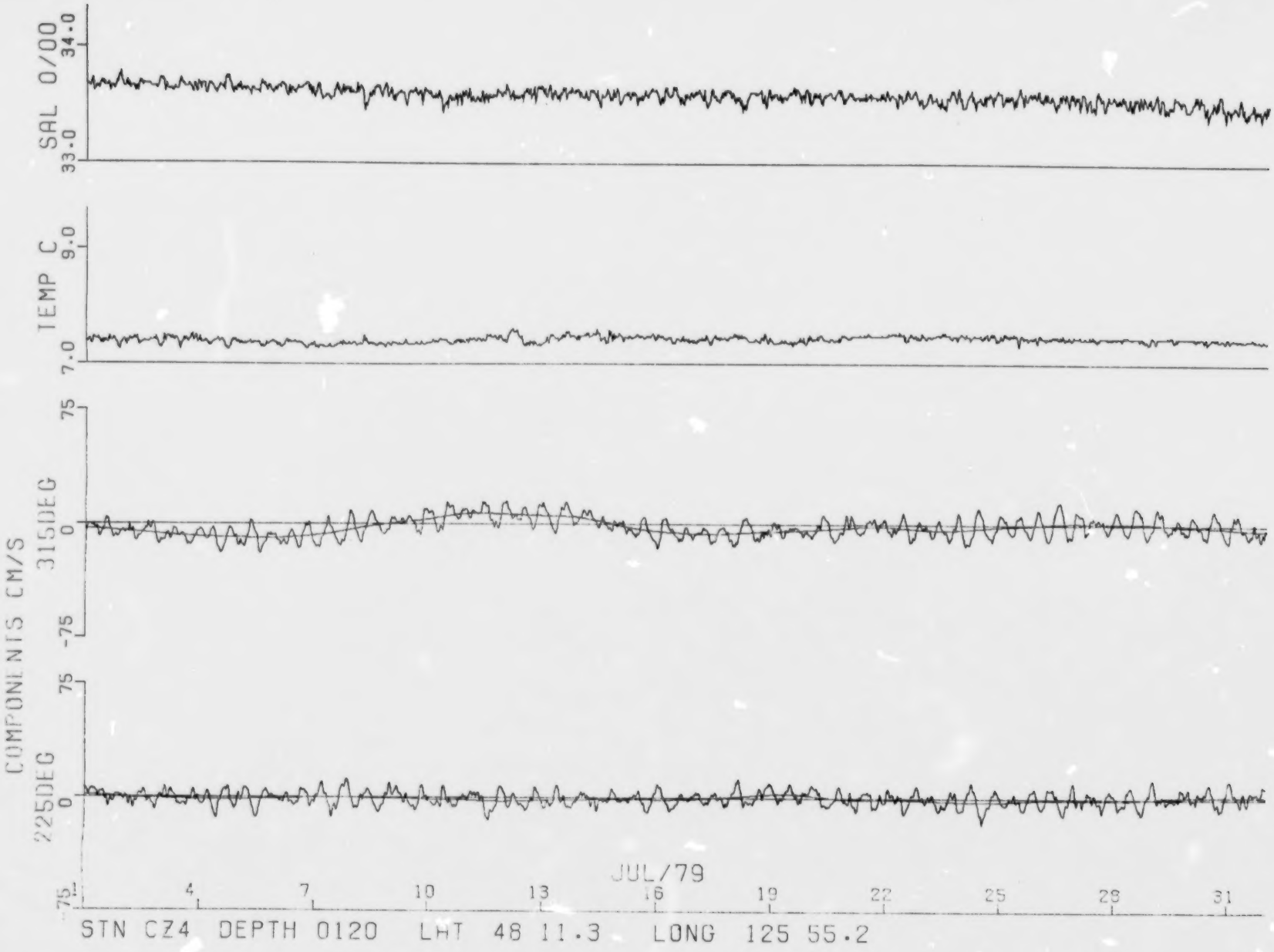
SCALE
100 KM

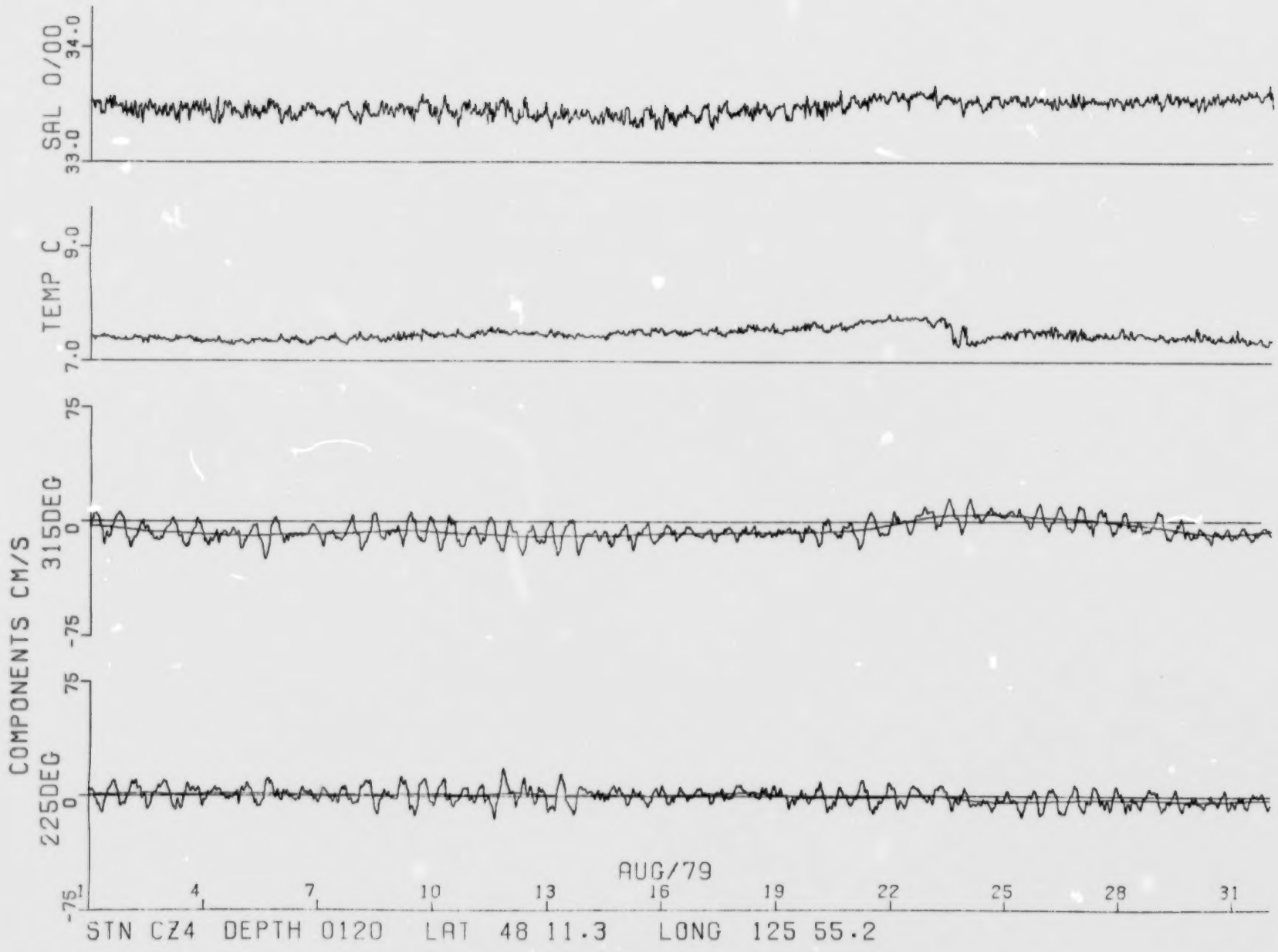


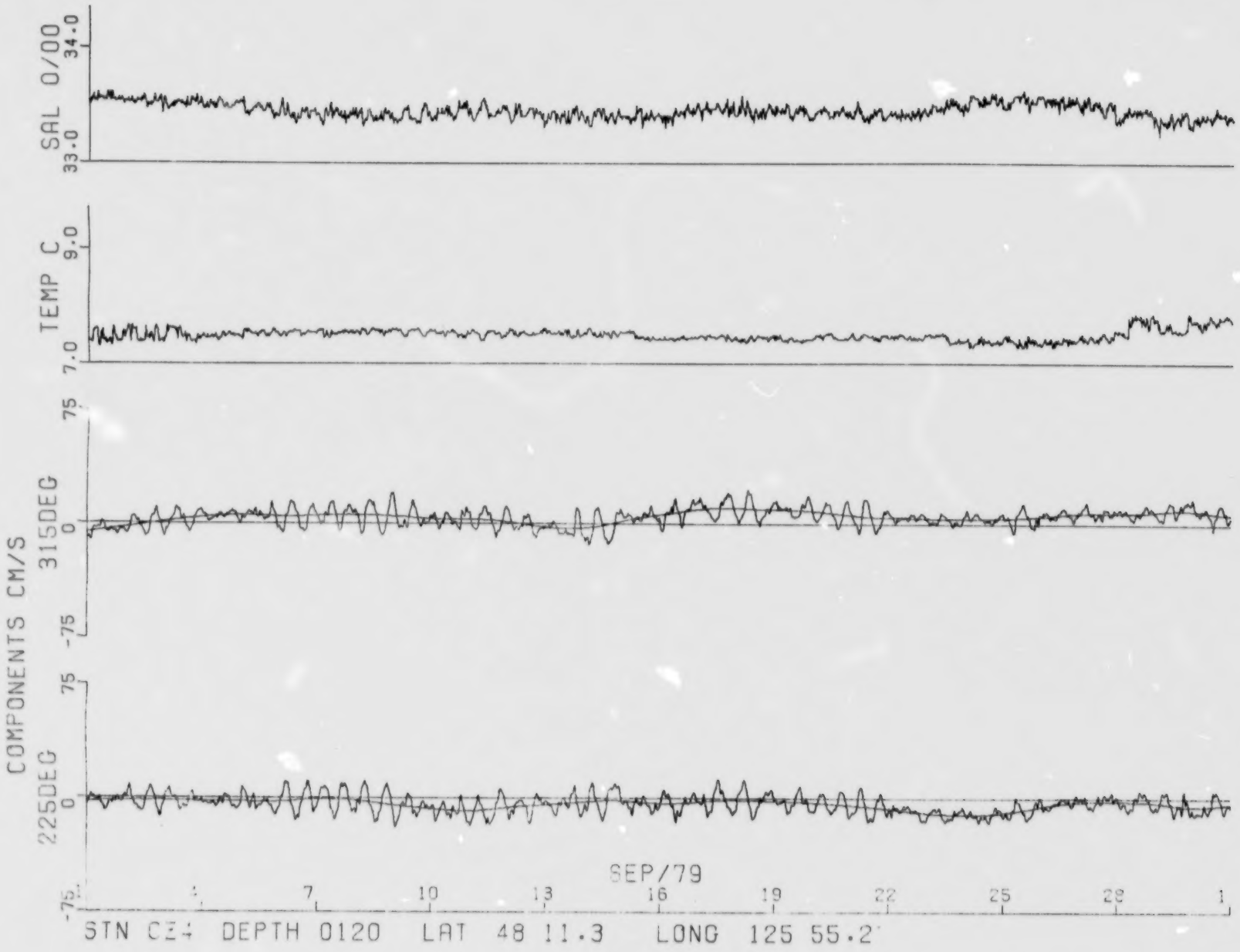

STATION CZ4
DEPTH 70 METRES
START OF RECORD 19/ 5/1979
DURATION 43 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0120 LAT 48 11.3 LONG 125 55.2


SAL 0/00
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
1
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0120 LAT 48 11.3 LONG 125 55.2


SAL 0/00
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0120 LAT 48 11.3 LONG 125 55.2


SAL 0/00
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0120 LAT 48 11.3 LONG 125 55.2


SAL O/OO
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
7
10
13
16
19
22
25
28
1
STN CE4 DEPTH 0120 LAT 48 11.3 LONG 125 55.2

STN CZ4 DEPTH 0120 LAT 48 11.3 LONG 125 55.2
OCT/79
1 4 7 10 13 16 19 22 25 28 31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75 0 75
7.0 9.0
33.0 34.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0120 PACHENA POINT 48 11.3 N 125 55.2 W Length of record .EQ. 136 Days
Start of record 30 mn 14 hr 19 dy 5 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	039	098	075	014	003																					229
10- 19	033	110	068	013	001																					225
20- 29	051	088	050	020	001																					210
30- 39	032	088	044	015																						179
40- 49	035	073	038	003																						149
50- 59	035	072	040	002																						149
60- 69	038	091	030																							159
70- 79	031	093	042	004																						170
80- 89	046	110	039	006																						201
90- 99	054	107	065	012	001																					239
100-109	047	117	089	021	003																					277
110-119	057	116	122	039	010																					344
120-129	049	156	124	050	008																					387
130-139	054	160	095	037	012																					358
140-149	042	175	124	045	006																					392
150-159	049	167	100	033	006																					355
160-169	033	112	086	014	003																					248
170-179	033	098	045	016	003																					195
180-189	046	073	030	004	003																					156
190-199	029	056	019	004																						108
200-209	030	051	012																							93
210-219	029	042	008																							79
220-229	021	036	005																							62
230-239	018	029	003																							50
240-249	028	035	007																							70
250-259	018	033	009																							60
260-269	024	050	013																							87
270-279	024	042	013	001																						80
280-289	025	046	007	001																						79
290-299	020	058	028																							106
300-309	024	081	032	005	002																					144
310-319	021	076	041	009	001																					148
320-329	025	085	048	016	003																					177
330-339	031	077	061	011	004																					184
340-349	044	072	050	019																						185
350-359	040	105	064	017	002																					228
	3078		431			0		0		0		0		0		0		0		0		0		0		6562
	1255	1726		72		0		0		0		0		0		0		0		0		0		0		

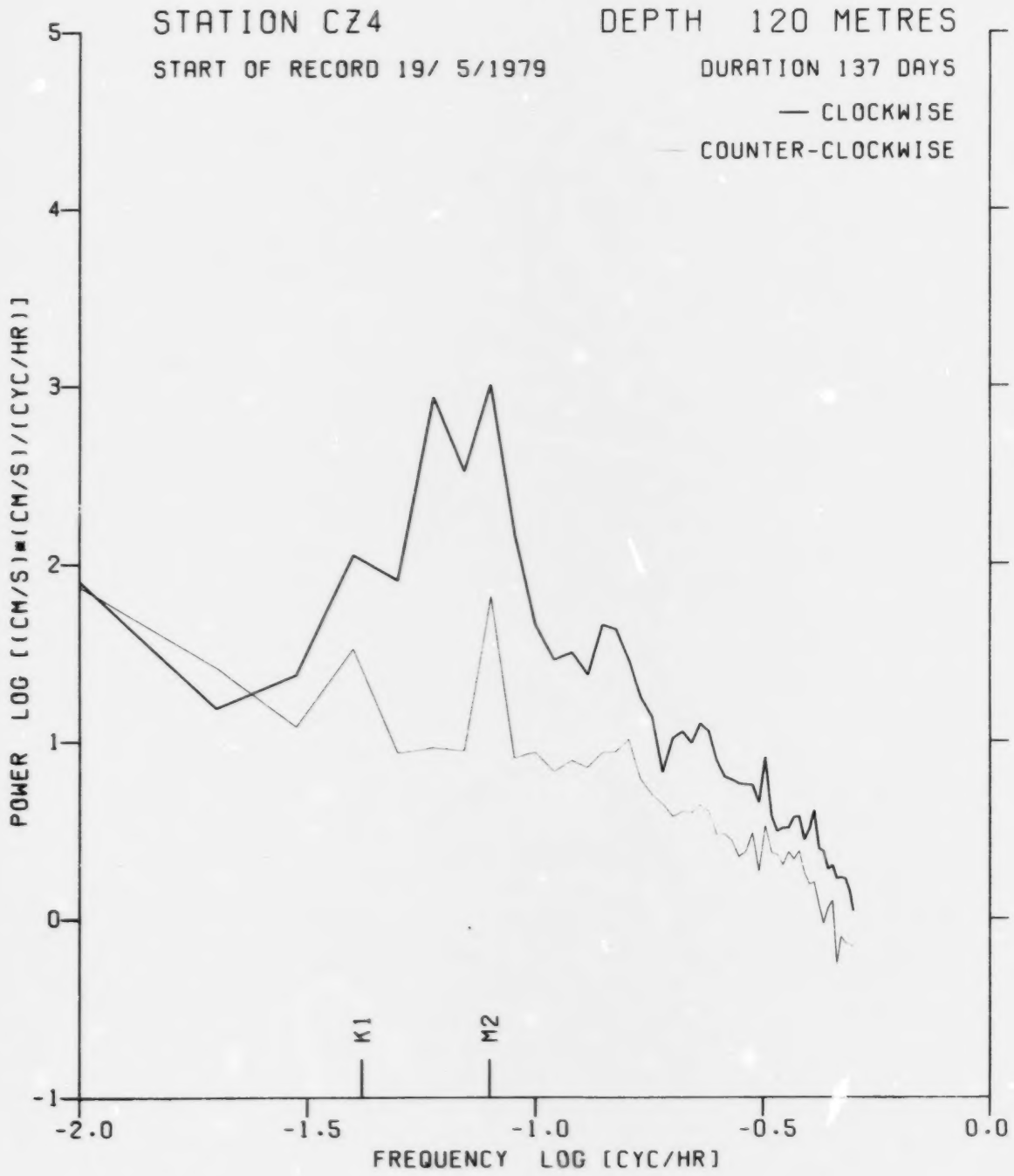
Number of zero rates: 0

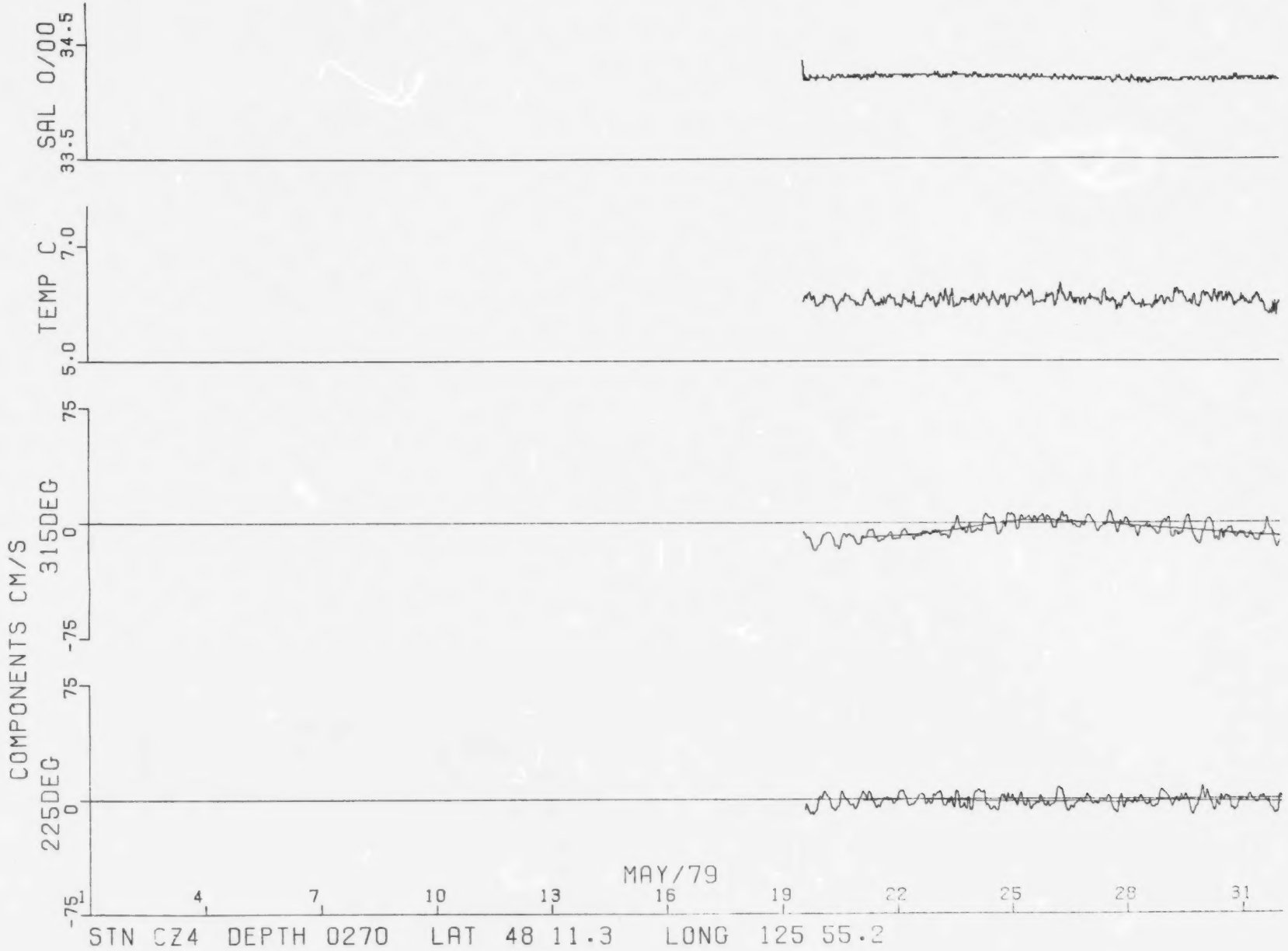
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

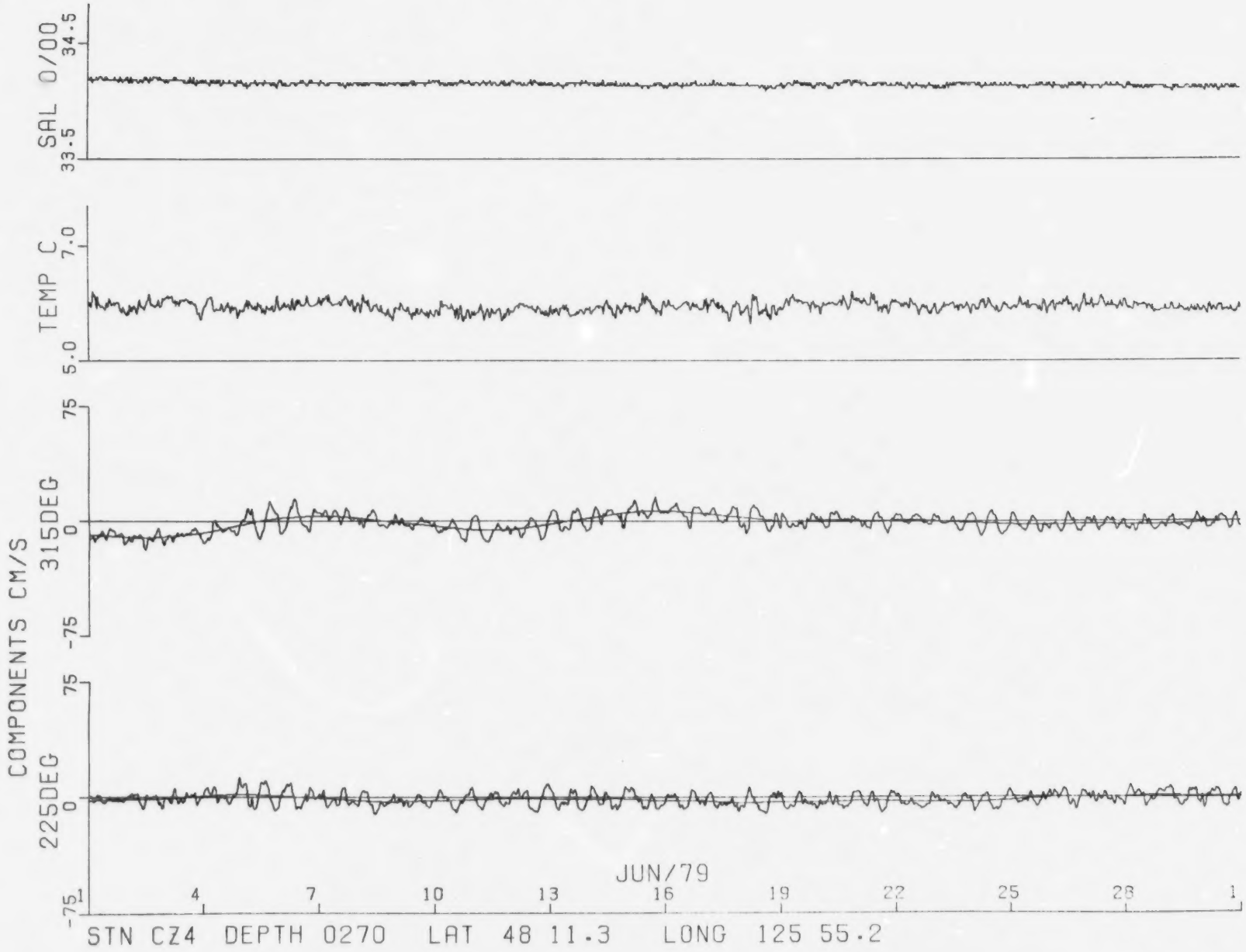
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

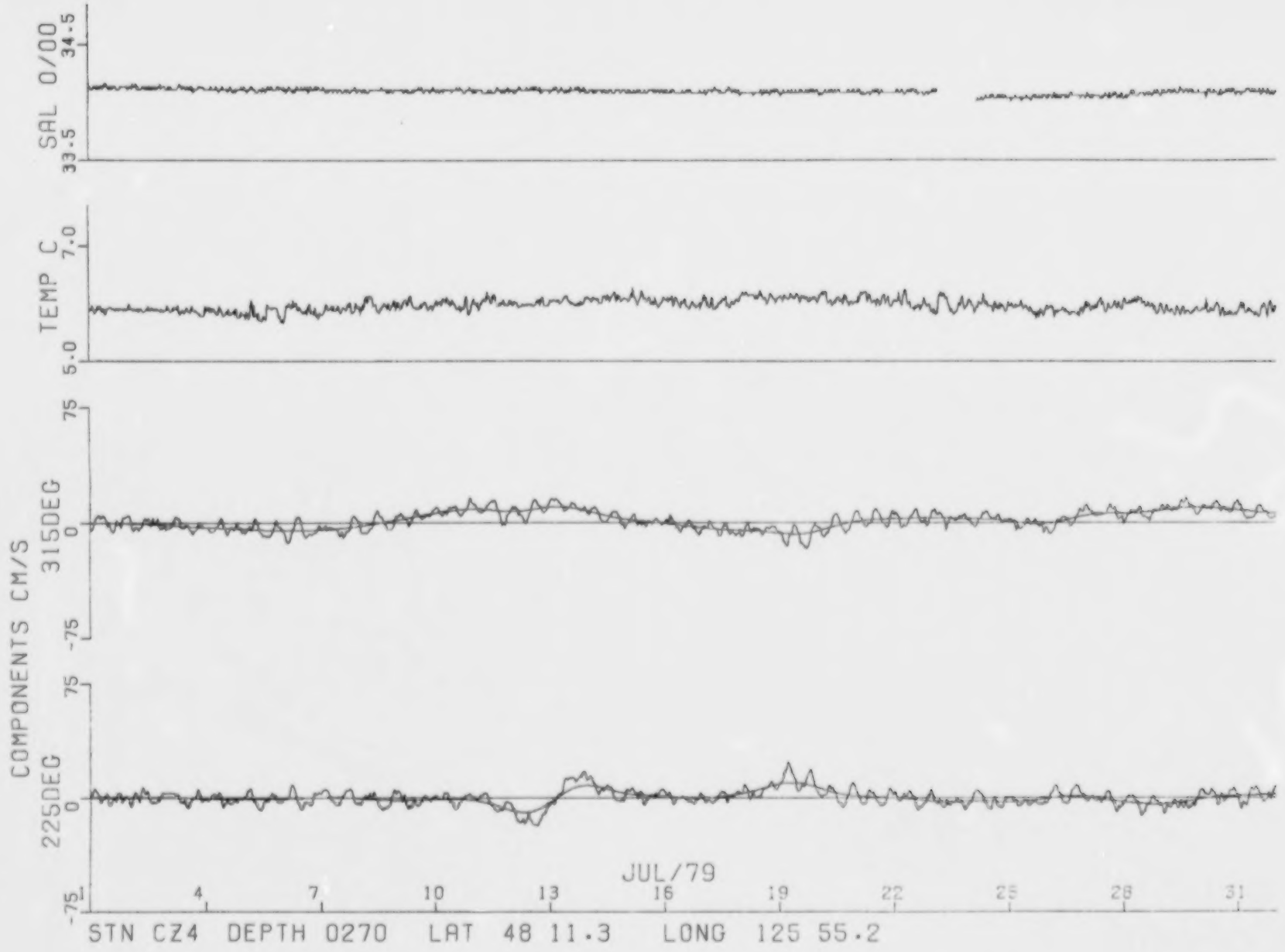
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0120M	8500	139/79	137

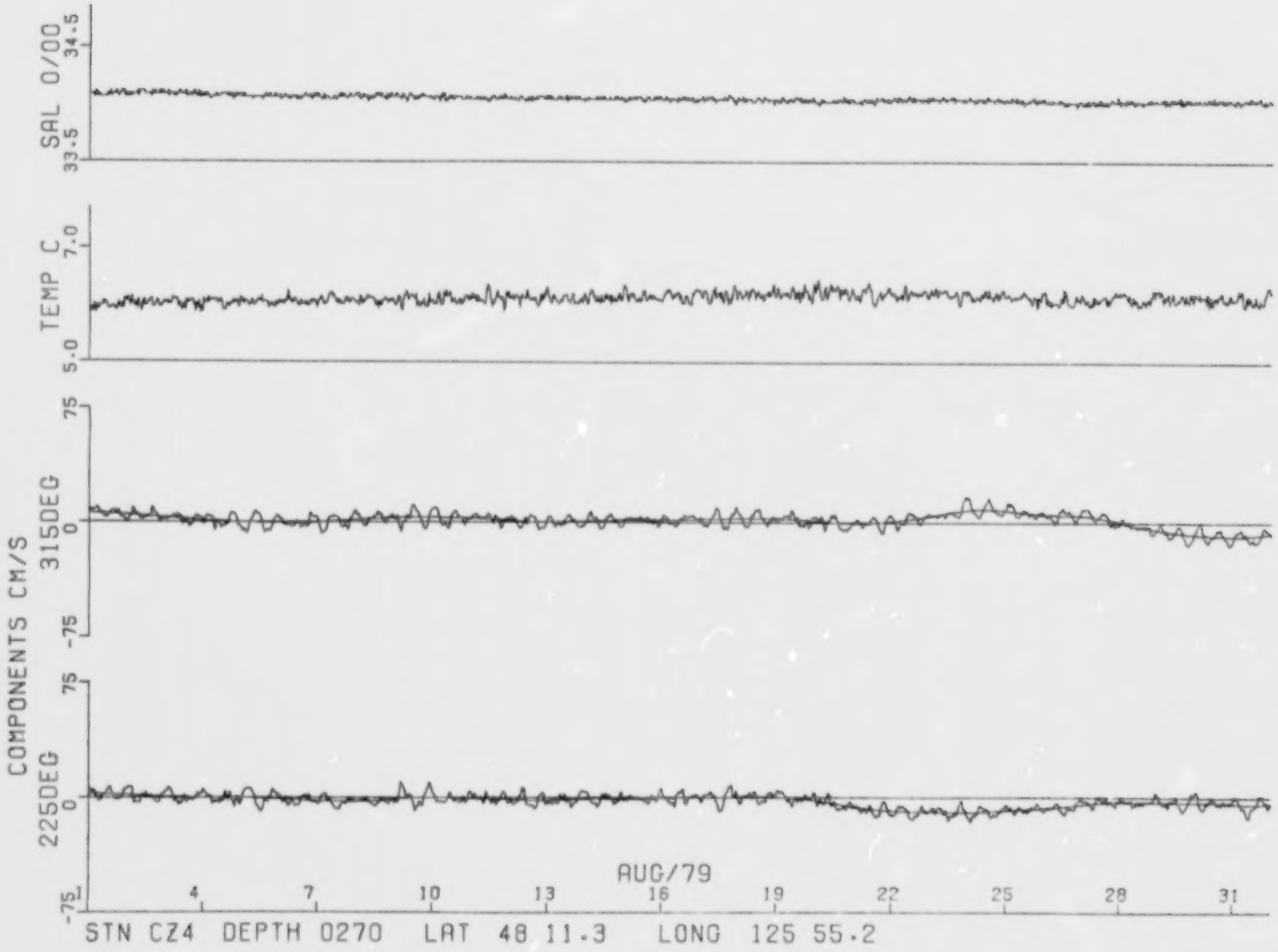
SCALE 100 KM

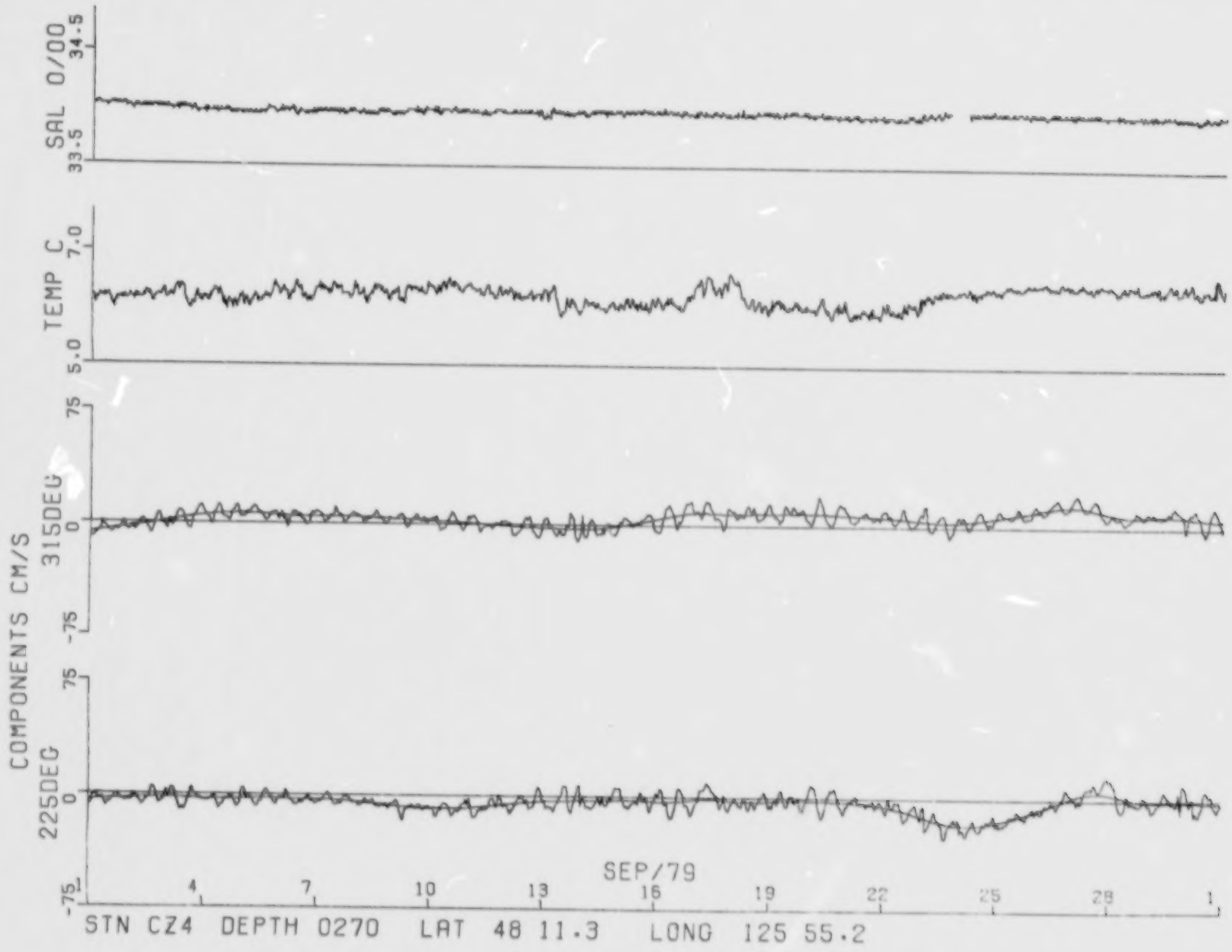

STATION CZ4
DEPTH 120 METRES
START OF RECORD 19/ 5/1979
DURATION 137 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.5
33.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0270 LAT 48 11.3 LONG 125 55.2


SAL 0/00
34.5
33.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
1
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0270 LAT 48 11.3 LONG 125 55.2


SAL 0/00
34.5
33.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0270 LAT 48 11.3 LONG 125 55.2


SAL 0/00
34.5
33.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0270 LAT 48 11.3 LONG 125 55.2


SAL O/OO
34.5
33.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0270 LAT 48 11.3 LONG 125 55.2

STN CZ4 DEPTH 0270 LAT 48 11.3 LONG 125 55.2
OCT/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
5.0
7.0
33.5
34.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0270 PACHENA POINT 48 11.3 N 125 55.2 W Length of record .EQ. 136 Days
Start of record 30 mn 14 hr 19 dy 5 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	088	145	071	016	006																					326
10- 19	072	171	086	019	011																					359
20- 29	062	147	060	035	008																					312
30- 39	061	096	028	017	006																					208
40- 49	089	078	017	008	006	002																				200
50- 59	070	099	016	008		002																				195
60- 69	068	063	018	002	002																					153
70- 79	064	101	012																							177
80- 89	077	078	020	003																						178
90- 99	065	101	021	004																						191
100-109	060	085	034	004																						183
110-119	068	115	035	010																						228
120-129	051	132	053	007																						243
130-139	044	122	056	004																						226
140-149	062	097	035	003																						197
150-159	046	083	016	001																						146
160-169	035	062	012	006																						115
170-179	039	071	005	001	003																					119
180-189	038	035	009	001	005																					88
190-199	034	037	004		002	002																				79
200-209	032	036	007	004	003																					82
210-219	021	033	007	001																						62
220-229	037	034	003																							74
230-239	037	033	001																							71
240-249	041	044	007	002																						94
250-259	044	034	011	017																						106
260-269	042	044	014	010																						110
270-279	046	039	011	003																						99
280-289	045	075	031	010	003																					154
290-299	064	070	031	005	001																					171
300-309	058	082	035	008																						183
310-319	057	107	054	004	005																					227
320-329	069	140	053	019	001																					282
330-339	084	155	072	015																						326
340-349	059	133	075	026																						293
350-359	083	130	067	013	002																					295
	3107		286		6		0		0		0		0		0		0		0		0		0		0	6000
	2012	1087		64		0		0		0		0		0		0		0		0		0		0		

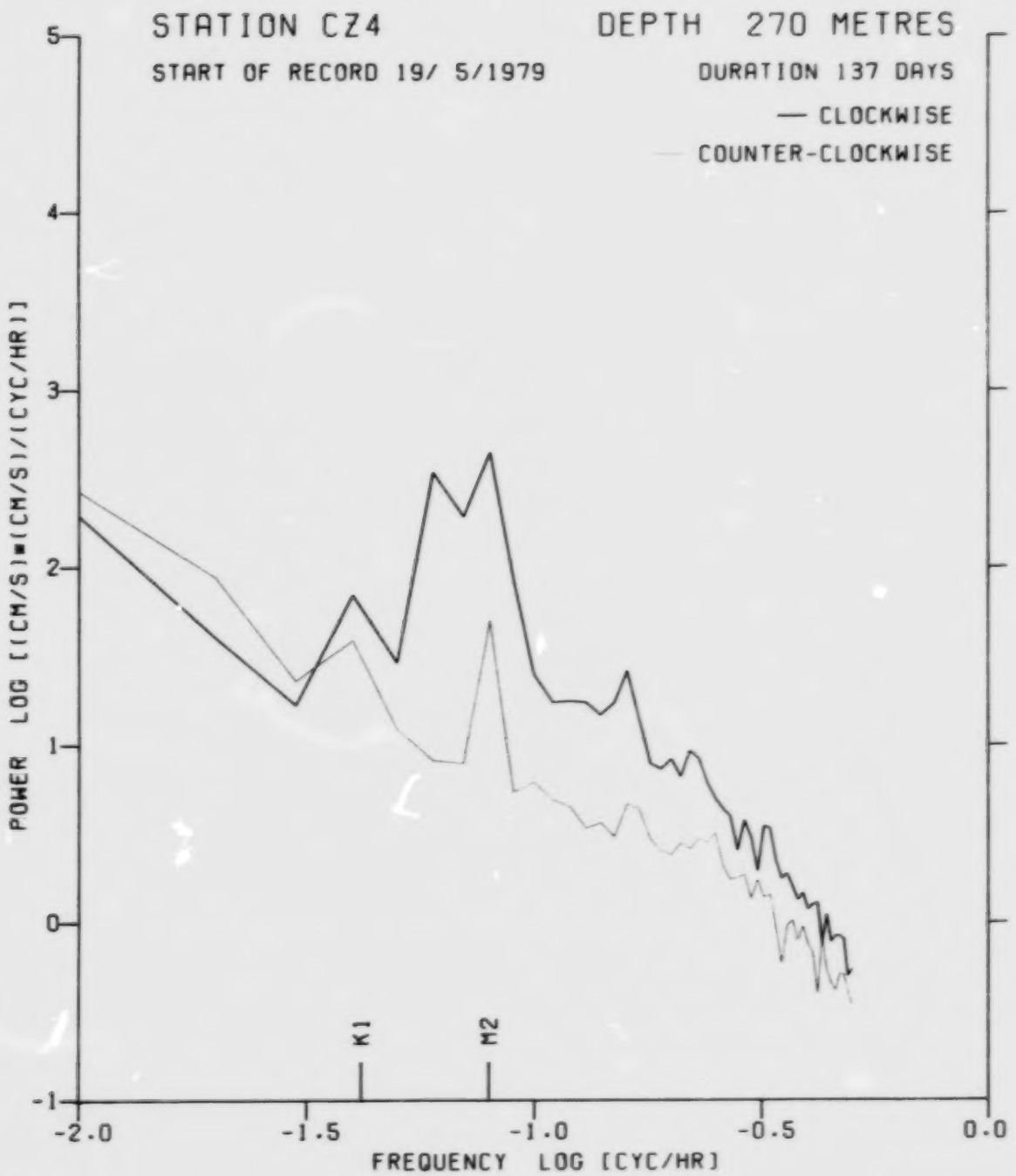
Number of zero rates: 0

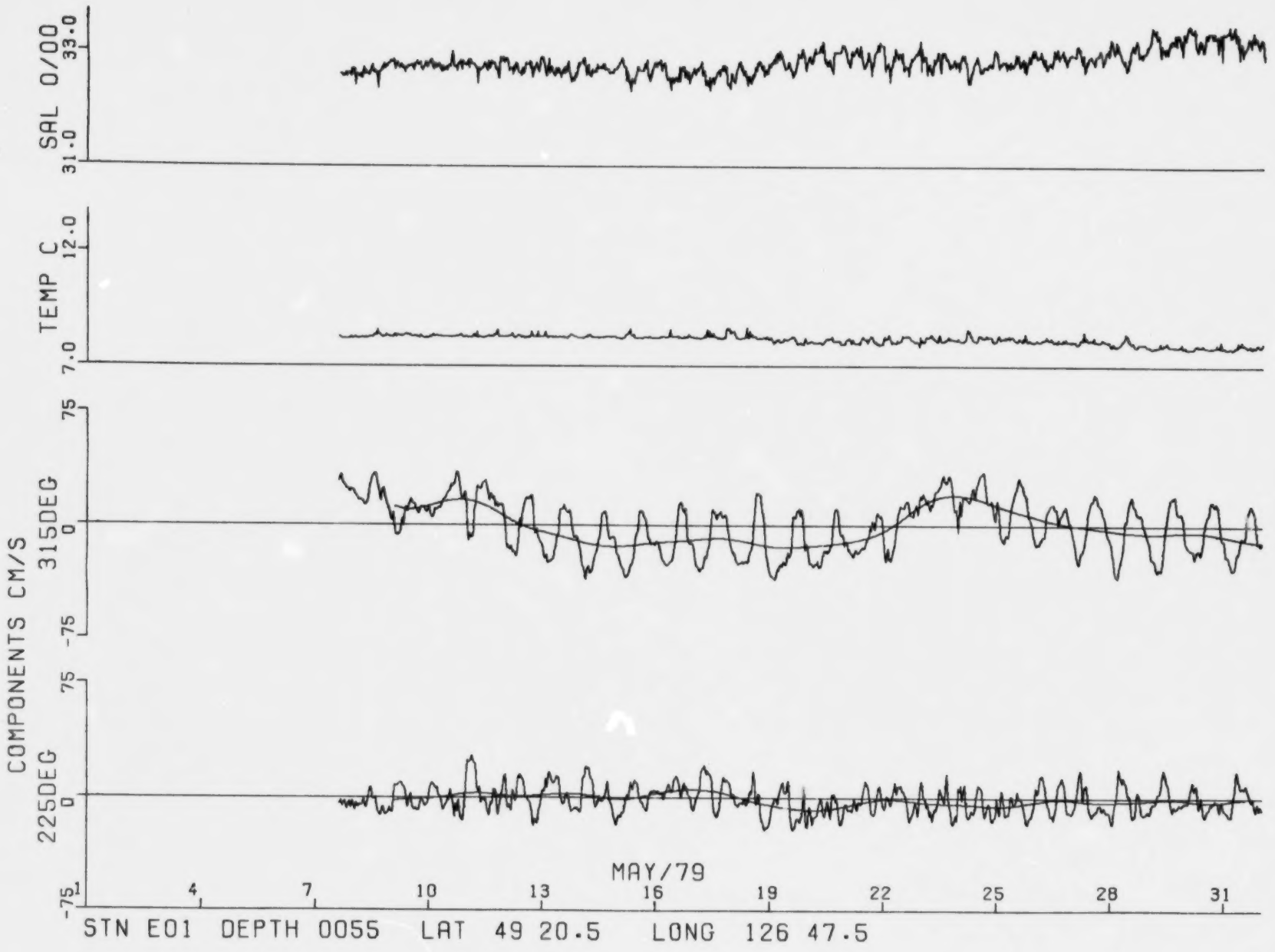
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

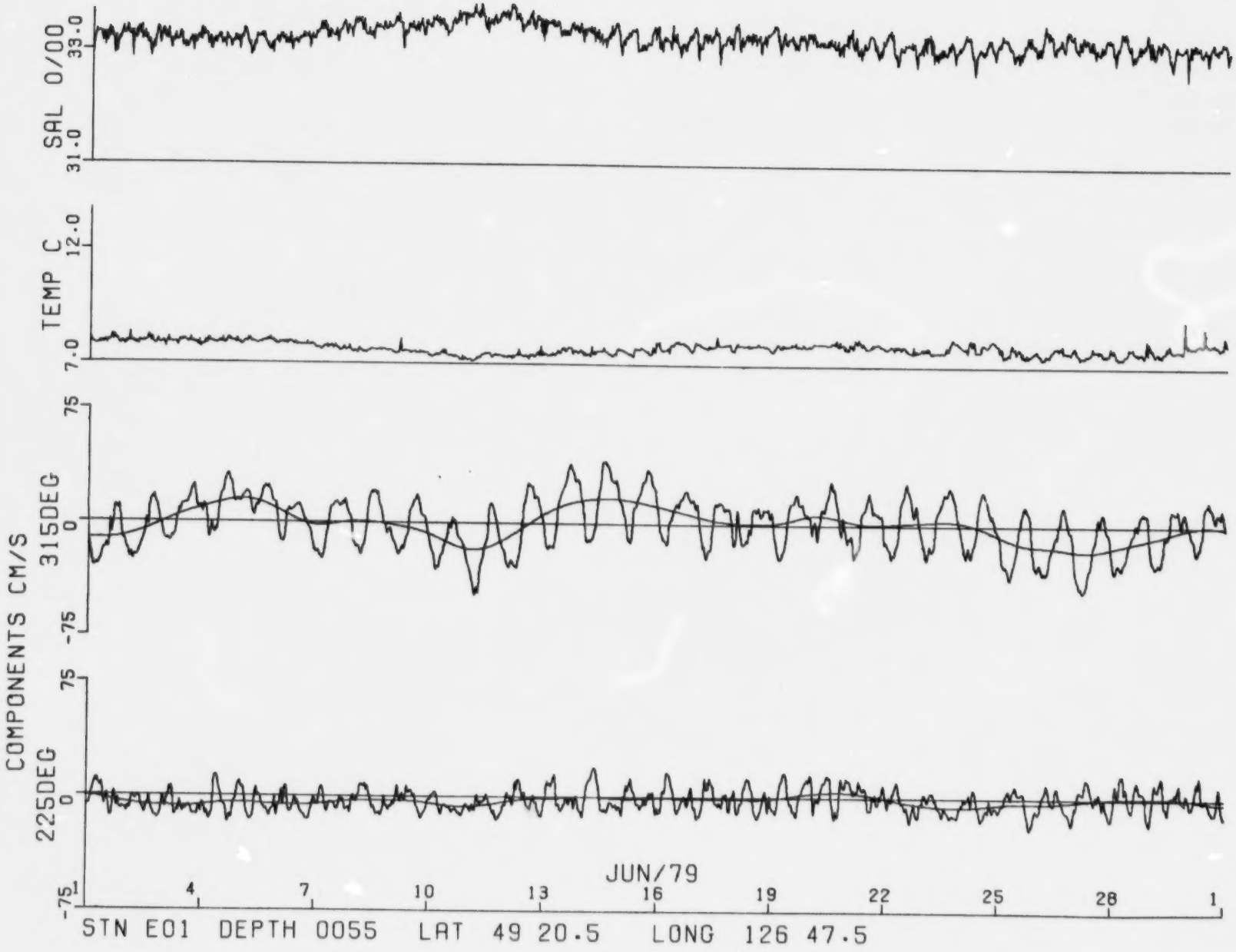
▯ODD NUMBERED DAYS
●EVEN NUMBERED DAYS

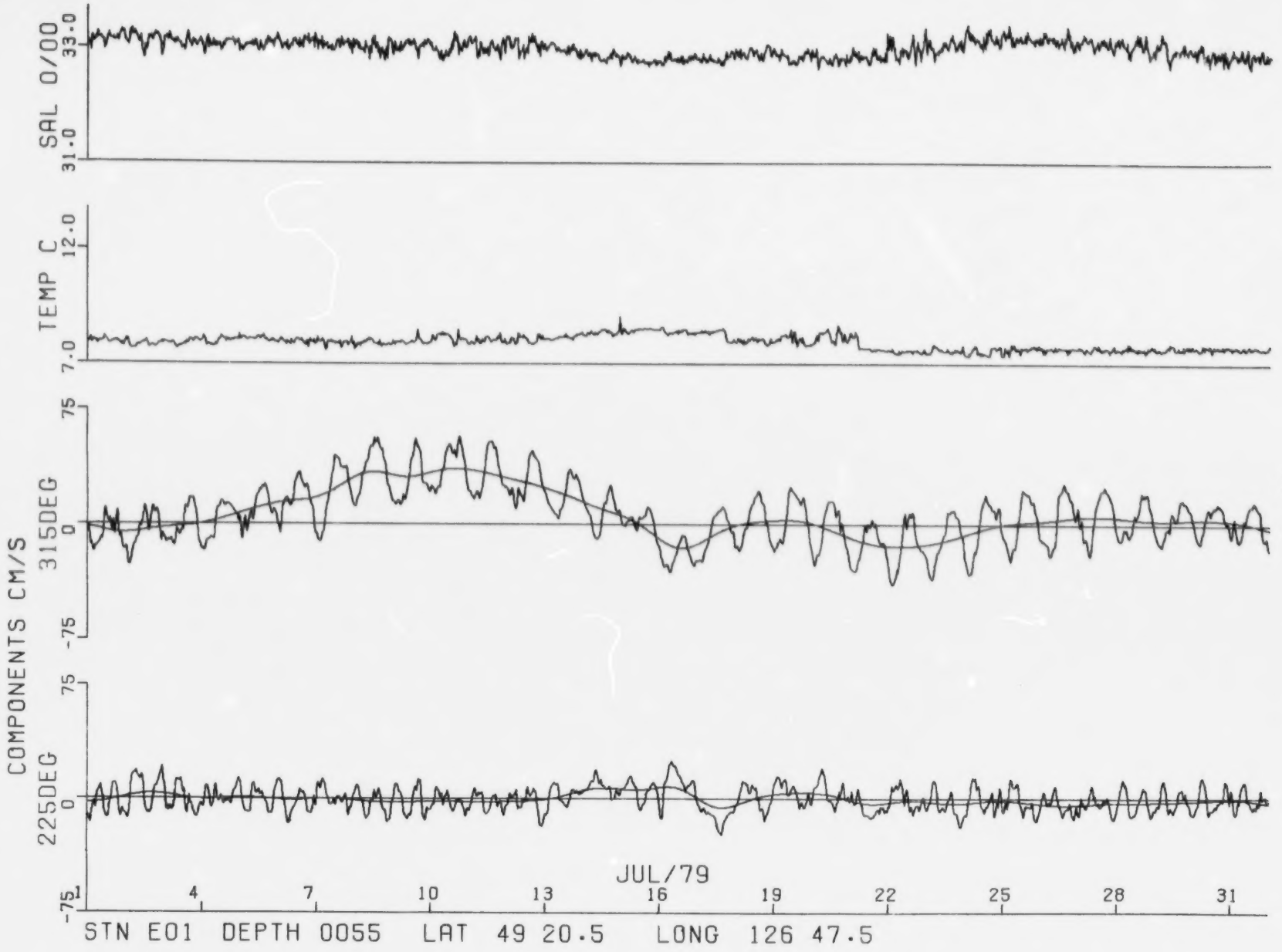
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0270M	8500	139/79	137

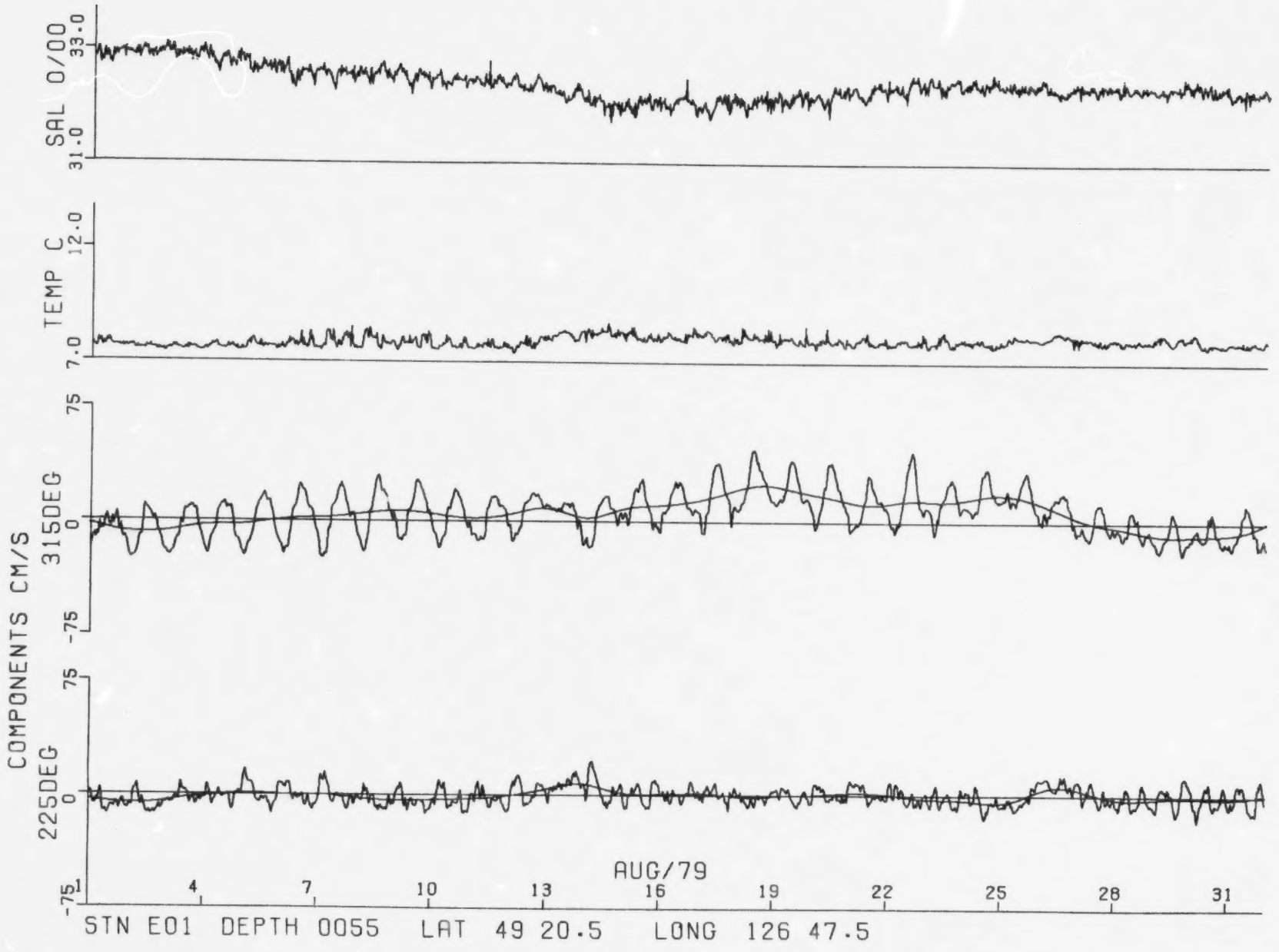
SCALE ⊢—·—+—·—⊣
100 KM

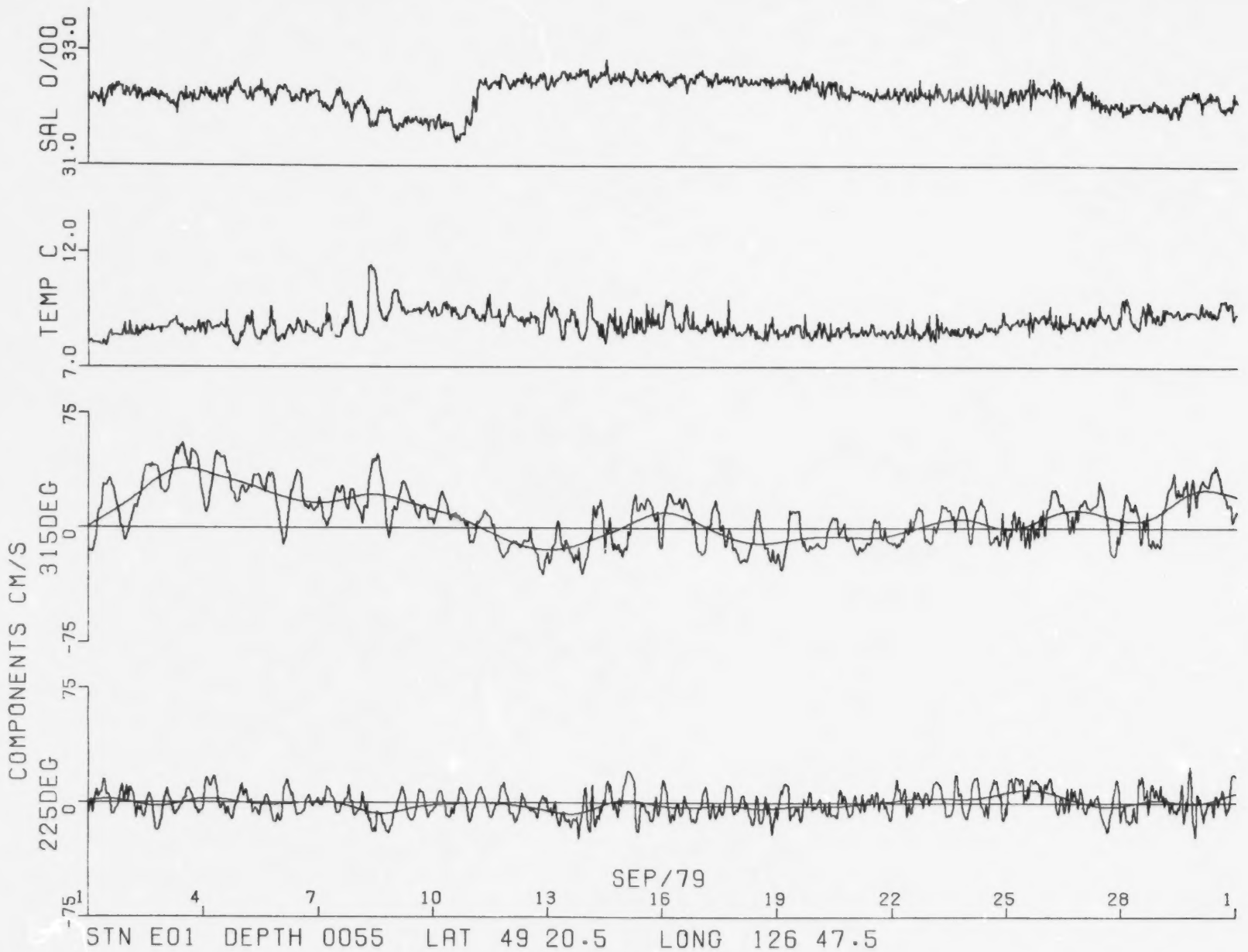

STATION CZ4
DEPTH 270 METRES
START OF RECORD 19/ 5/1979
DURATION 137 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

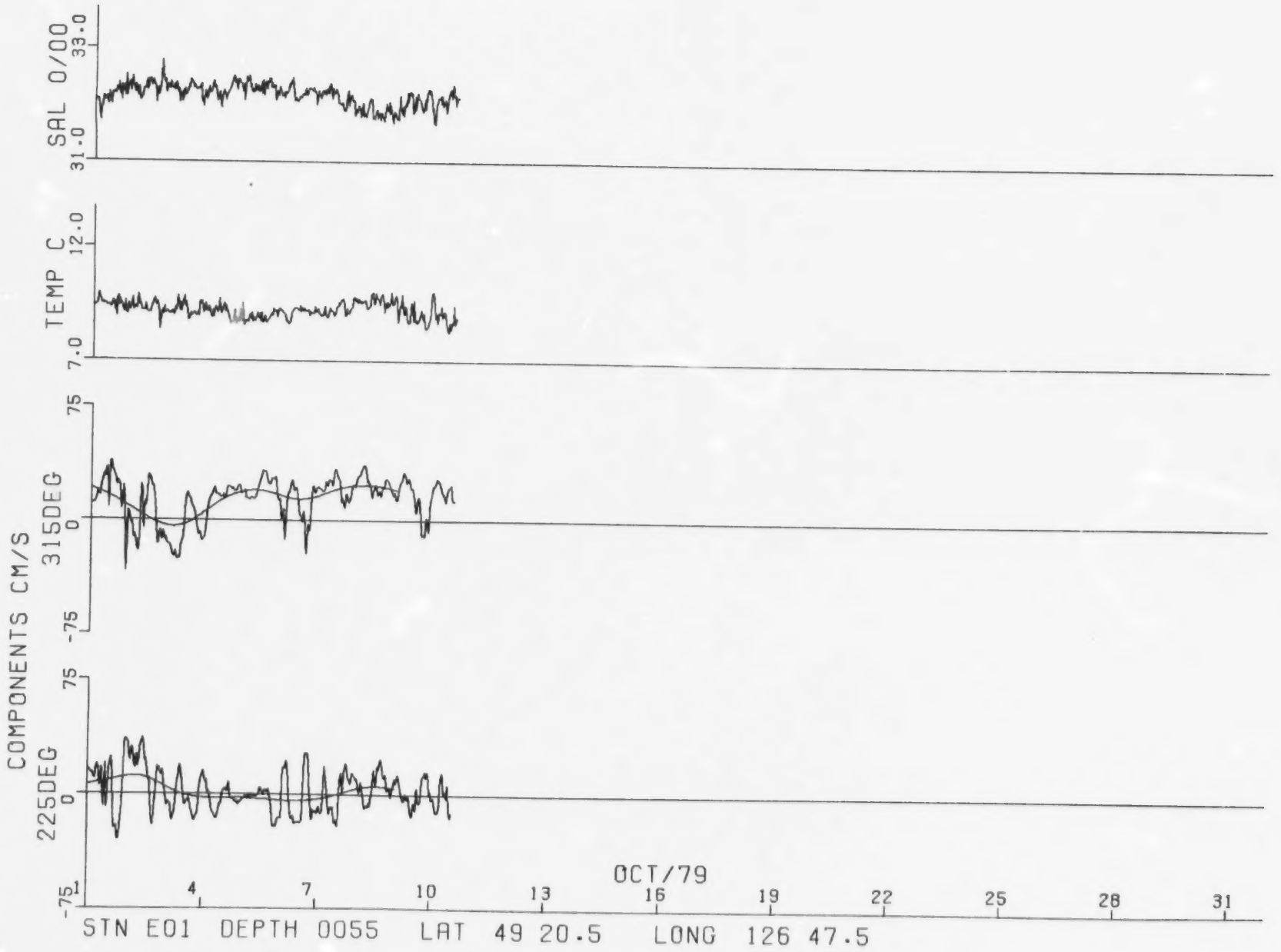

SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0055 LAT 49 20.5 LONG 126 47.5


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0055 LAT 49 20.5 LONG 126 47.5


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0055 LAT 49 20.5 LONG 126 47.5


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0055 LAT 49 20.5 LONG 126 47.5


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0055 LAT 49 20.5 LONG 126 47.5


SAL 0/00
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0055 LAT 49 20.5 LONG 126 47.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E01 Depth 0055 ESTEVAN POINT 49 28.5 N 126 47.5 W Length of record=156 Days
Start of record 0 mn 15 hr 7 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	003	034	068	037	015	003																				160
10- 19	004	023	081	028	008	006	001																			151
20- 29	005	024	057	013	006		001																			106
30- 39	003	025	048	007	001		001																			85
40- 49	004	026	036	007	001																					74
50- 59		020	046	013																						79
60- 69	004	030	032	016	003																					85
70- 79	001	038	043	017	004	001																				104
80- 89	001	024	051	017	006	003																				102
90- 99	002	034	061	023	011	011	001																			143
100-109	002	031	100	053	032	020	010																			248
110-119	001	029	098	069	037	026	013																			273
120-129	003	031	077	083	069	036	020	006	004	004																333
130-139	007	027	069	056	046	037	022	005	004																	273
140-149	003	025	053	040	043	036	012	008	007																	235
150-159	002	023	081	054	035	045	013	003																		256
160-169	001	014	059	041	028	020	008	002	001																	174
170-179	002	014	070	030	017	005	010	004																		152
180-189	004	023	040	024	016	008	001																			124
190-199	005	018	046	031	010	001																				111
200-209	002	033	044	018	005	005	004																			111
210-219	004	029	029	014	006	004	002																			88
220-229	002	029	029	010	001	002	004																			77
230-239	004	021	034	017		001	001	003																		81
240-249	003	027	044	014	003	001		001																		93
250-259	004	023	046	017	006	001		001																		98
260-269	007	026	043	018	011	004	003																			112
270-279	004	030	045	021	011	008	003	005																		127
280-289	003	032	073	040	020	010	009	003																		196
290-299	005	054	086	059	047	025	013	002	001	001																293
300-309	005	039	089	067	076	054	034	014	010	008	012	002														410
310-319	006	054	127	092	090	089	071	045	024	030	027	006														661
320-329	006	058	142	128	119	100	054	049	027	027	010															720
330-339	004	042	134	141	100	065	021	012	008	006																541
340-349	001	035	114	105	083	029	016	003	002																	388
350-359	007	036	081	056	031	003	007																			221
	1081		1484		665		166		76		8		0		0		0		0		0		0		0	7485
	124	2384		1005		355		88		49		0		0		0		0		0		0		0		

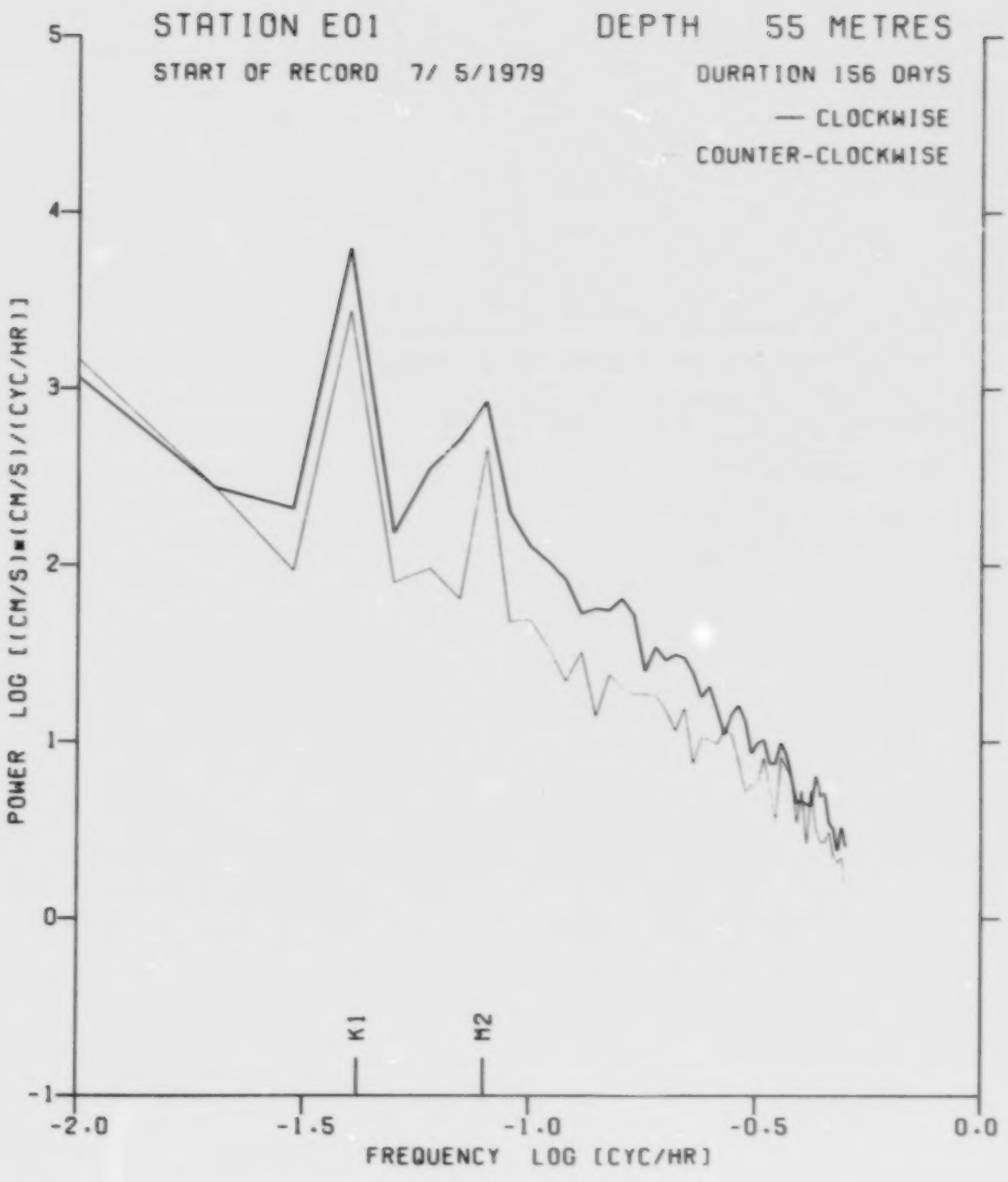
Number of zero rates: 0

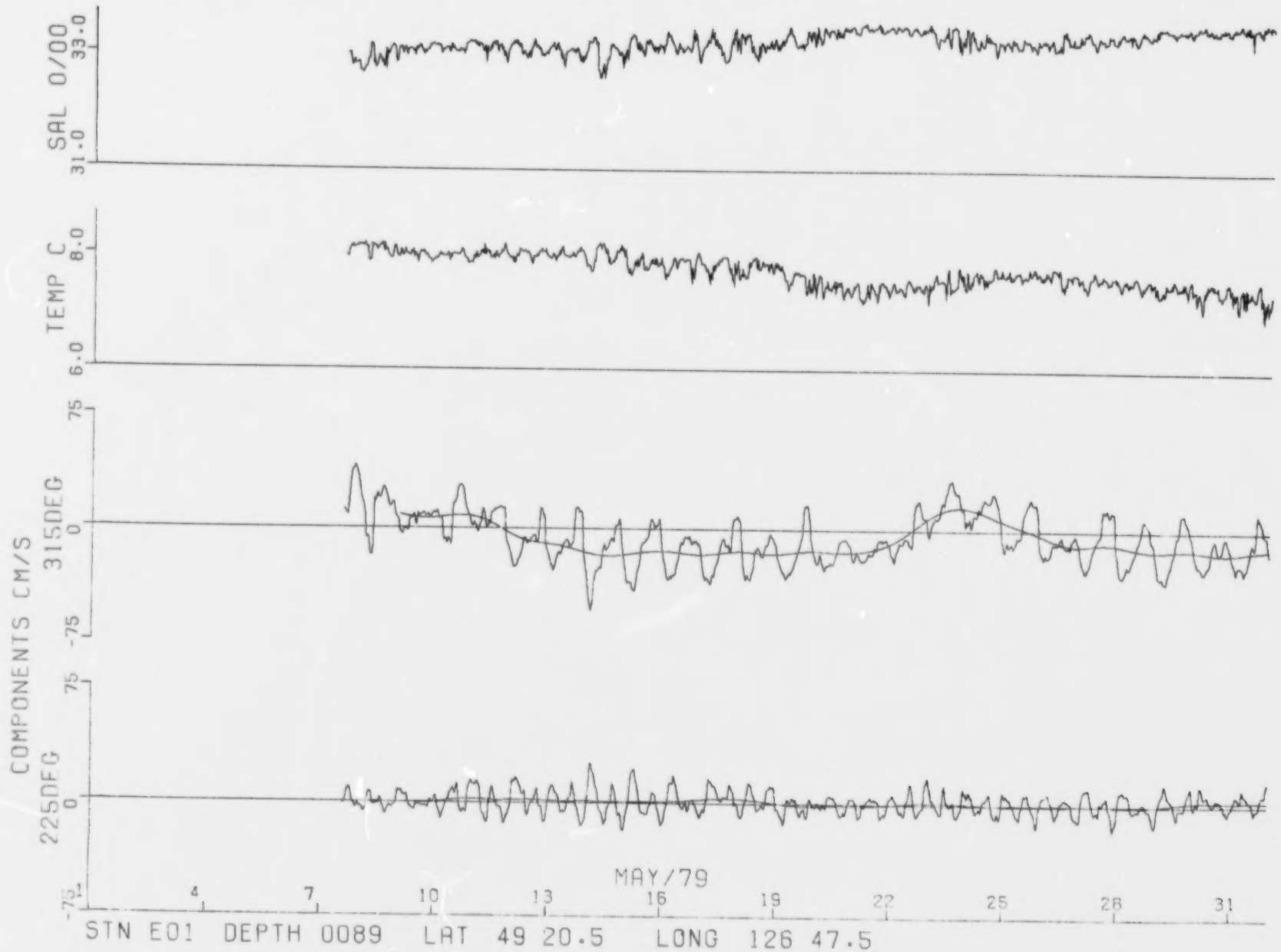
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

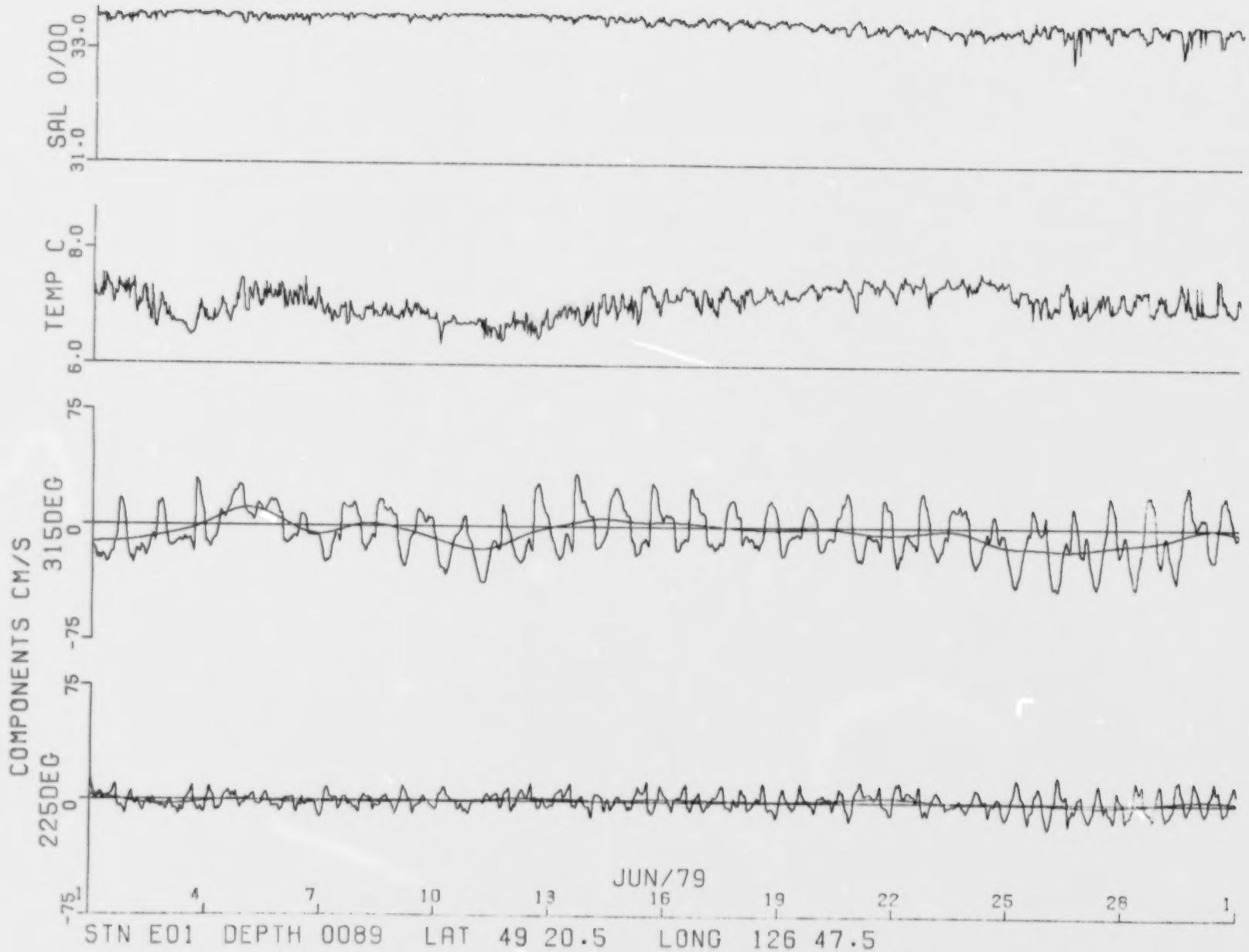
ⓞODD NUMBERED DAYS
ⓔEVEN NUMBERED DAYS

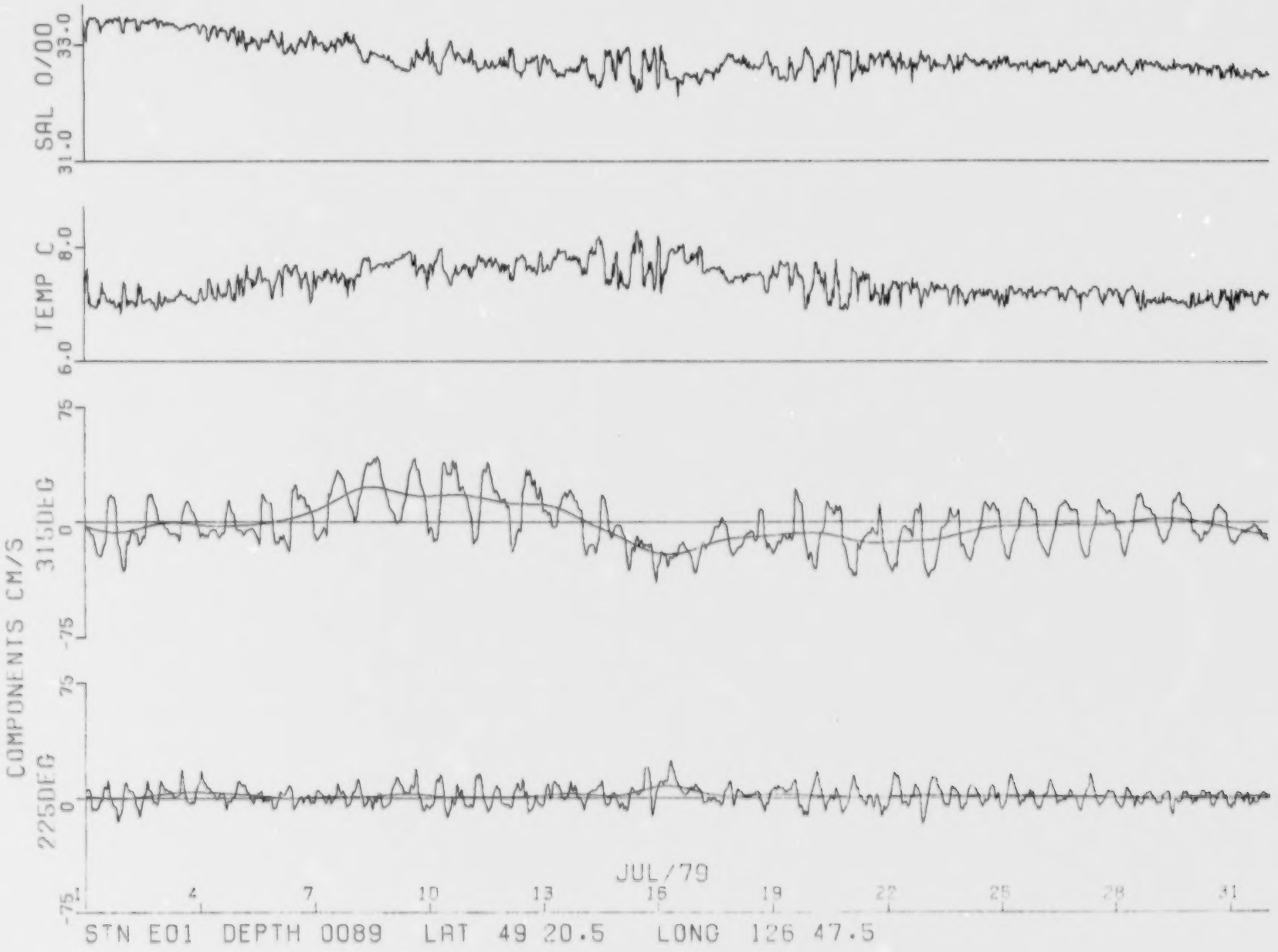
STN	DEPTH	AREA	DAY/YR	NO DAYS
E01	0055M	8600	127/79	156

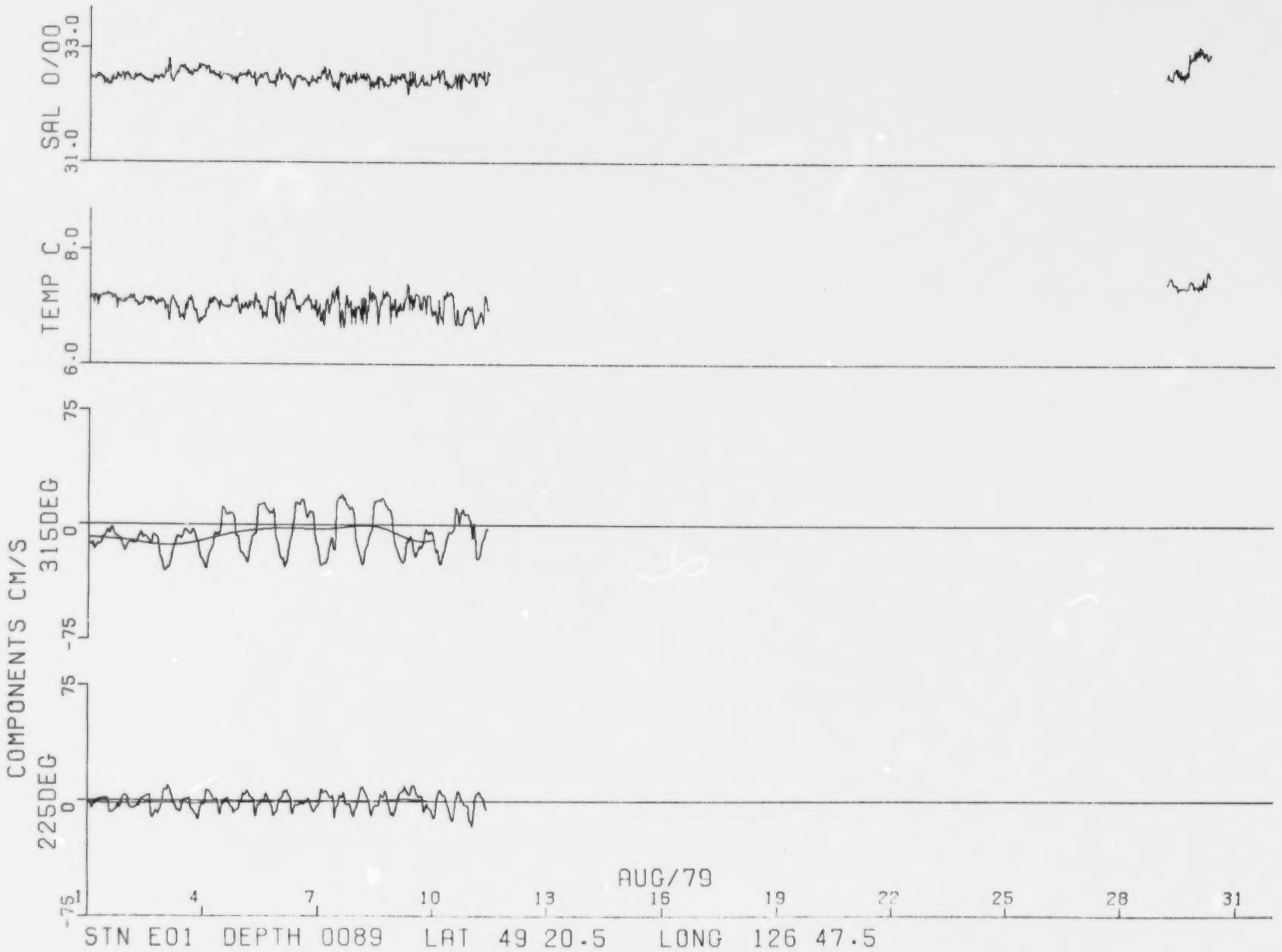
SCALE
100 KM

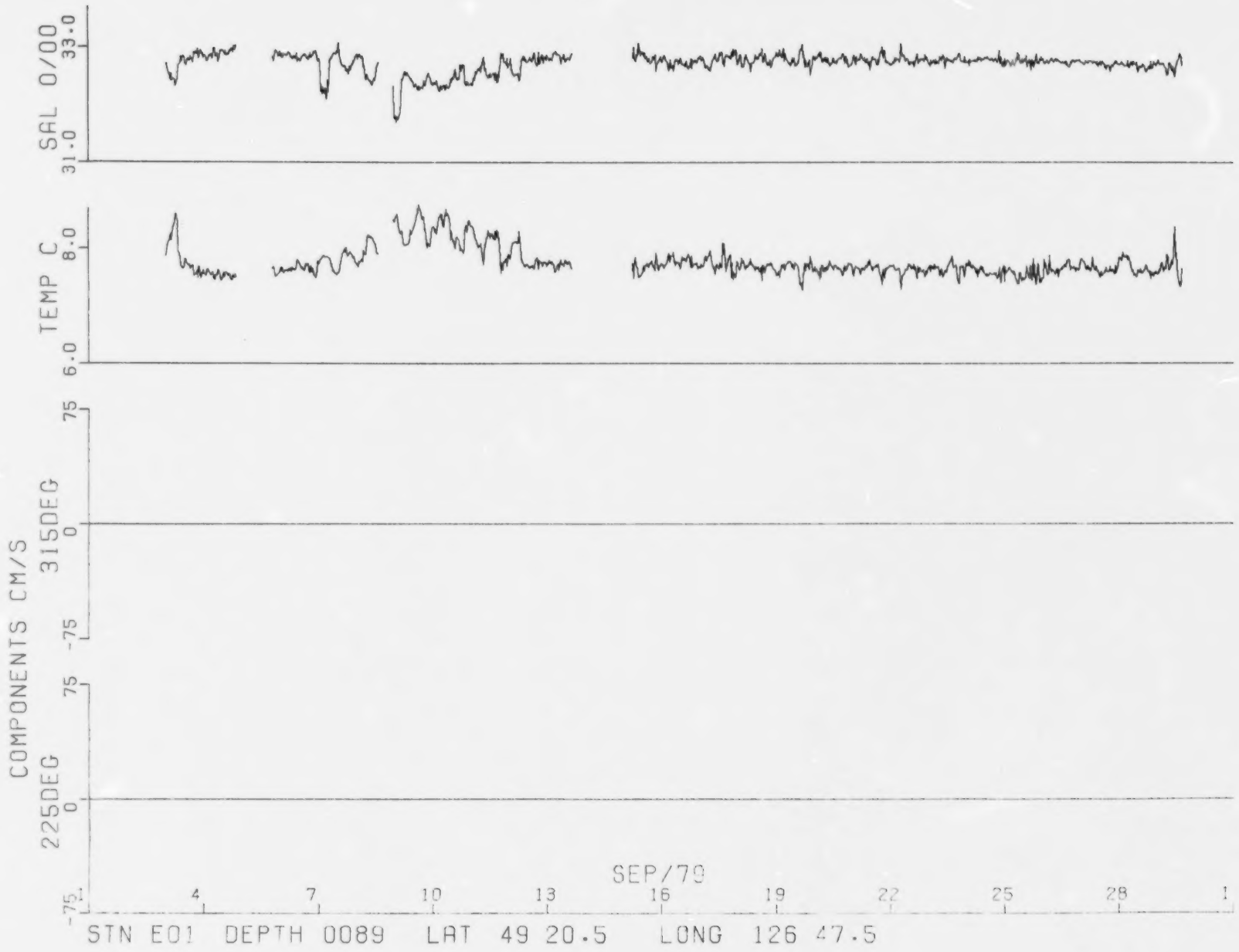

STATION E01
DEPTH 55 METRES
START OF RECORD 7/ 5/1979
DURATION 156 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.0
31.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
MAY/79
STN E01 DEPTH 0089 LAT 49 20.5 LONG 126 47.5


SAL O/OO
33.0
31.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0089 LAT 49 20.5 LONG 126 47.5


SAL 0/00
33.0
31.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0089 LAT 49 20.5 LONG 126 47.5


SAL 0/00
33.0
31.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0089 LAT 49 20.5 LONG 126 47.5


SAL O/OO
33.0
31.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0089 LAT 49 20.5 LONG 126 47.5

STN E01 DEPTH 0089 LAT 49 20.5 LONG 126 47.5
OCT/79
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
6.0
8.0
SAL O/OO
31.0
33.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E01 Depth 0089 ESTEVAN POINT 49 20.5 N 126 47.5 W Length of record .EQ. 95 Days
Start of record 0 mn 15 hr 7 dy 5 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	003	016	005																							24
10- 19	003	009	005	001																						18
20- 29		010	007	003																						20
30- 39	003	022	011																							36
40- 49	001	005	004	001																						11
50- 59	001	006	004	001																						12
60- 69	005	026	011	002																						44
70- 79	005	045	007	004																						61
80- 89	011	060	018	002																						91
90- 99	011	077	070	025	007	002																				192
100-109	004	050	056	024	015	004	002	001																		156
110-119	007	042	055	028	024	011	010	003	001																	181
120-129	006	051	051	048	035	010	020	012	003																	236
130-139	003	071	051	049	060	024	013	018	002	001																292
140-149	012	153	106	096	095	043	026	012	002		001															546
150-159	008	102	142	108	088	060	037	010	002			001														558
160-169	001	037	041	042	030	027	020	006	006	001	001	002														214
170-179	001	026	032	012	010	005	004																			90
180-189		013	030	013	007	002	002																			67
190-199		010	024	002	001																					37
200-209	001	024	012	002																						39
210-219	004	014	006	002																						26
220-229		010	013	002																						25
230-239	001	011	016	001																						29
240-249	003	009	016																							28
250-259	001	015	008																							24
260-269	004	009	016	002																						31
270-279	003	018	008	005																						34
280-289		028	014	010	004	001																				57
290-299	004	031	043	025	016	006	004	001	002	001																133
300-309	001	052	042	044	029	008	007	006	002																	191
310-319	004	063	073	048	028	022	018	014	008																	278
320-329	004	087	137	091	037	033	020	012	001																	422
330-339	006	068	065	068	021	007	004	002																		241
340-349	003	052	030	010	001																					106
350-359	001	033	013	001																						50
	1037		772		265		97		3		3		0		0		0		0		0		0		0	
	103	1258		308		107		22		2		0		0		0		0		0		0		0		4578

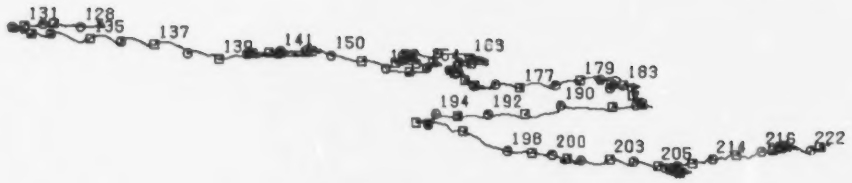
Number of zero rates: 0

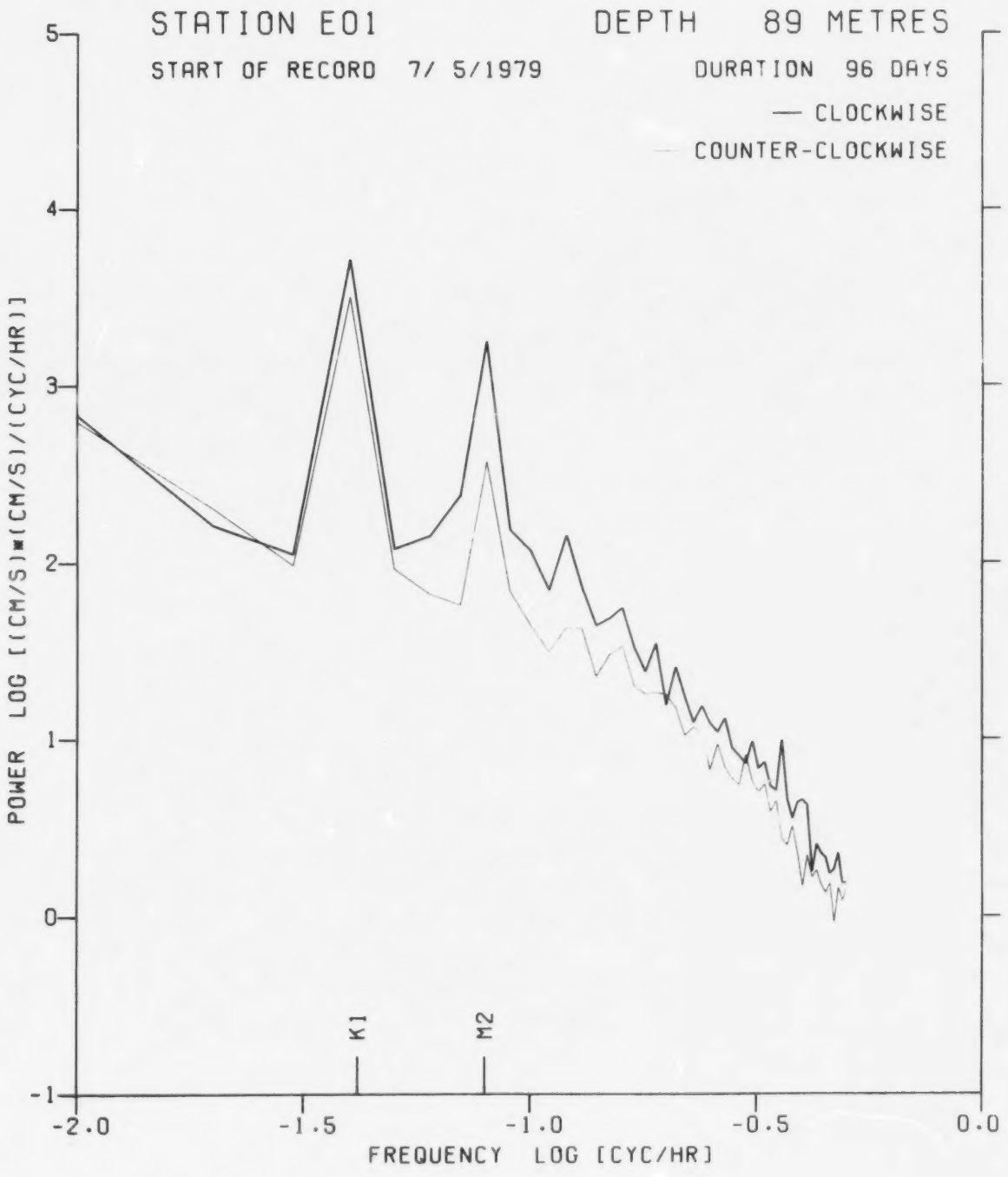
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

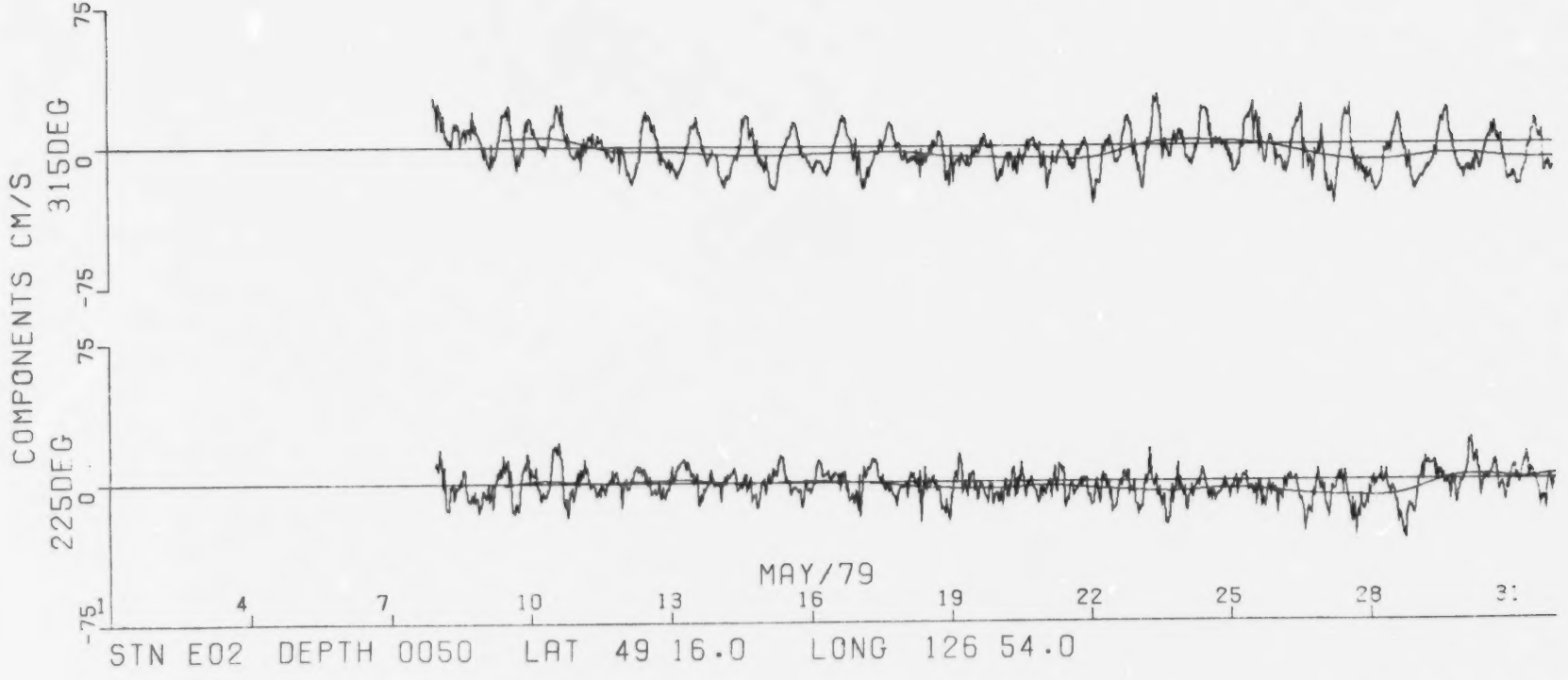
☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E01	0089M	8600	127/79	96

SCALE 100 KM




STATION E01
DEPTH 89 METRES
START OF RECORD 7/ 5/1979
DURATION 96 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
1
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0050 LAT 49 16.0 LONG 126 54.0

STN E02 DEPTH 0050 LAT 49 16.0 LONG 126 54.0
JUN/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75

STN E02 DEPTH 0050 LAT 49 16.0 LONG 126 54.0
JUL/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E02 Depth 0050 ESTEVAN POINT 49 16.0 N 126 54.0 W Length of record= 79 Days
Start of record 00 mn 23 hr 7 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	012	022	020	013	002	003																				72
10- 19	015	023	018	007	004	001																				68
20- 29	019	026	020	014		002	001																			82
30- 39	014	018	025	009	004		001																			71
40- 49	012	022	022	010	003	001	001																			71
50- 59	014	026	024	011	006		001																			82
60- 69	010	023	022	014	001																					70
70- 79	019	023	023	013	007	001	001																			87
80- 89	014	035	031	016	010	001																				107
90- 99	011	029	039	020	010	001																				110
100-109	010	049	026	025	010	007	004																			131
110-119	020	063	052	029	022	008	004																			190
120-129	023	054	051	036	039	020	011	004																		230
130-139	023	051	056	039	045	024	021	009	004																	272
140-149	017	054	058	039	033	010	009	006																		234
150-159	017	036	061	055	027	010	010	002	001																	227
160-169	012	040	044	049	030	013	002	003	002																	203
170-179	016	031	038	038	023	003	001		001																	151
180-189	010	037	036	031	010	004	001	001																		138
190-199	010	027	020	017	010	002																				102
200-209	013	033	022	008	006	002																				84
210-219	006	032	023	008	006																					75
220-229	013	017	016	004	002	001																				53
230-239	013	016	015	003	002																					49
240-249	009	026	017	005																						57
250-259	007	027	013	007	005																					59
260-269	008	025	017	007	001	001																				59
270-279	006	022	014	006	002																					50
280-289	006	022	012	007	005	002																				54
290-299	011	011	024	015	007	003																				71
300-309	010	026	020	013	007	002																				80
310-319	013	023	020	022	005	003																				86
320-329	011	020	023	020	010	002																				86
330-339	009	022	020	015	007	003																				76
340-349	007	018	024	011	006																					66
350-359	014	021	017	015	002	001																				70
	1052		651		147		25		0		0		0		0		0		0		0		0		0	3789
	462		999		377		68		0		0		0		0		0		0		0		0		0	

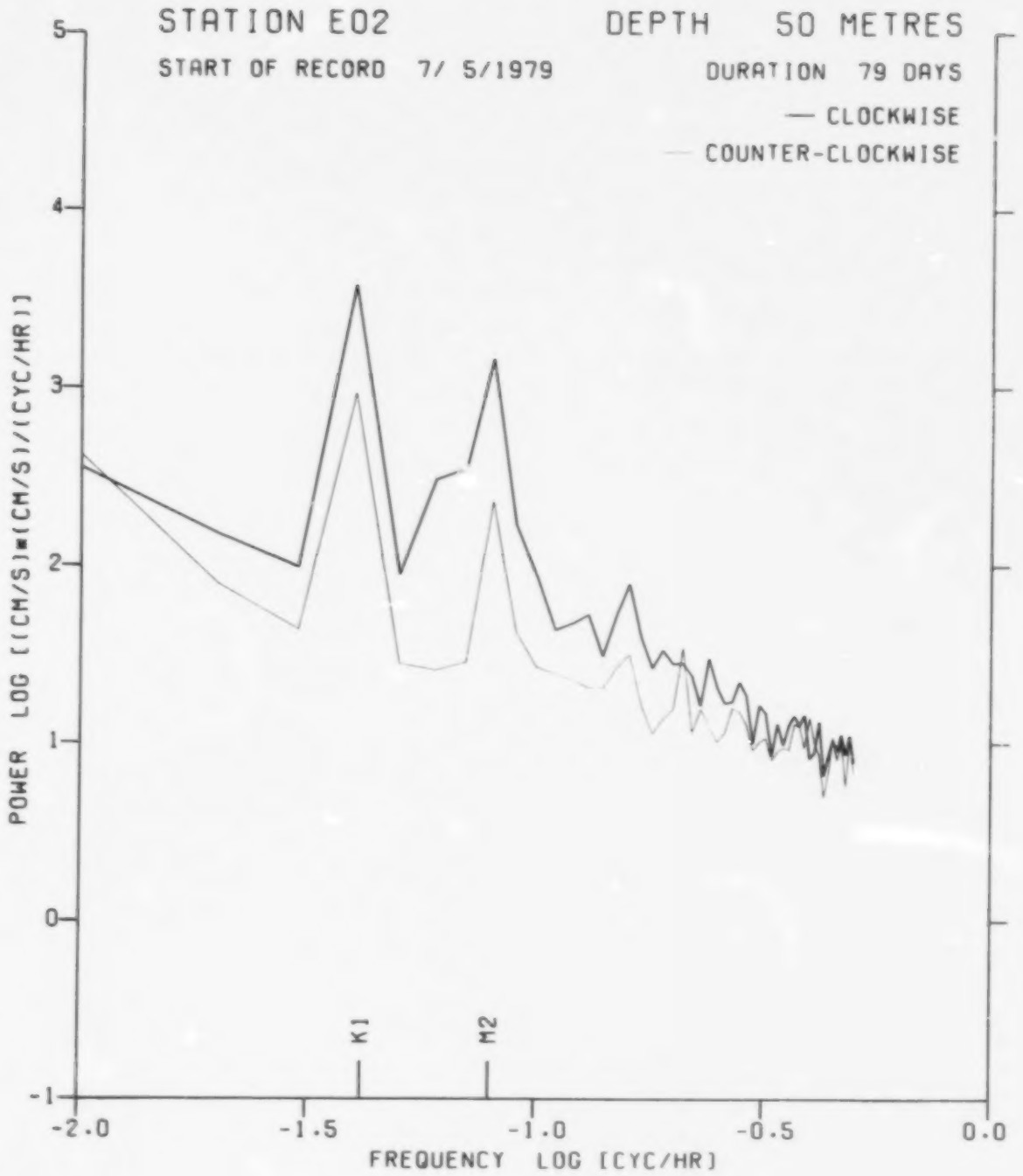
Number of zero rates: 0

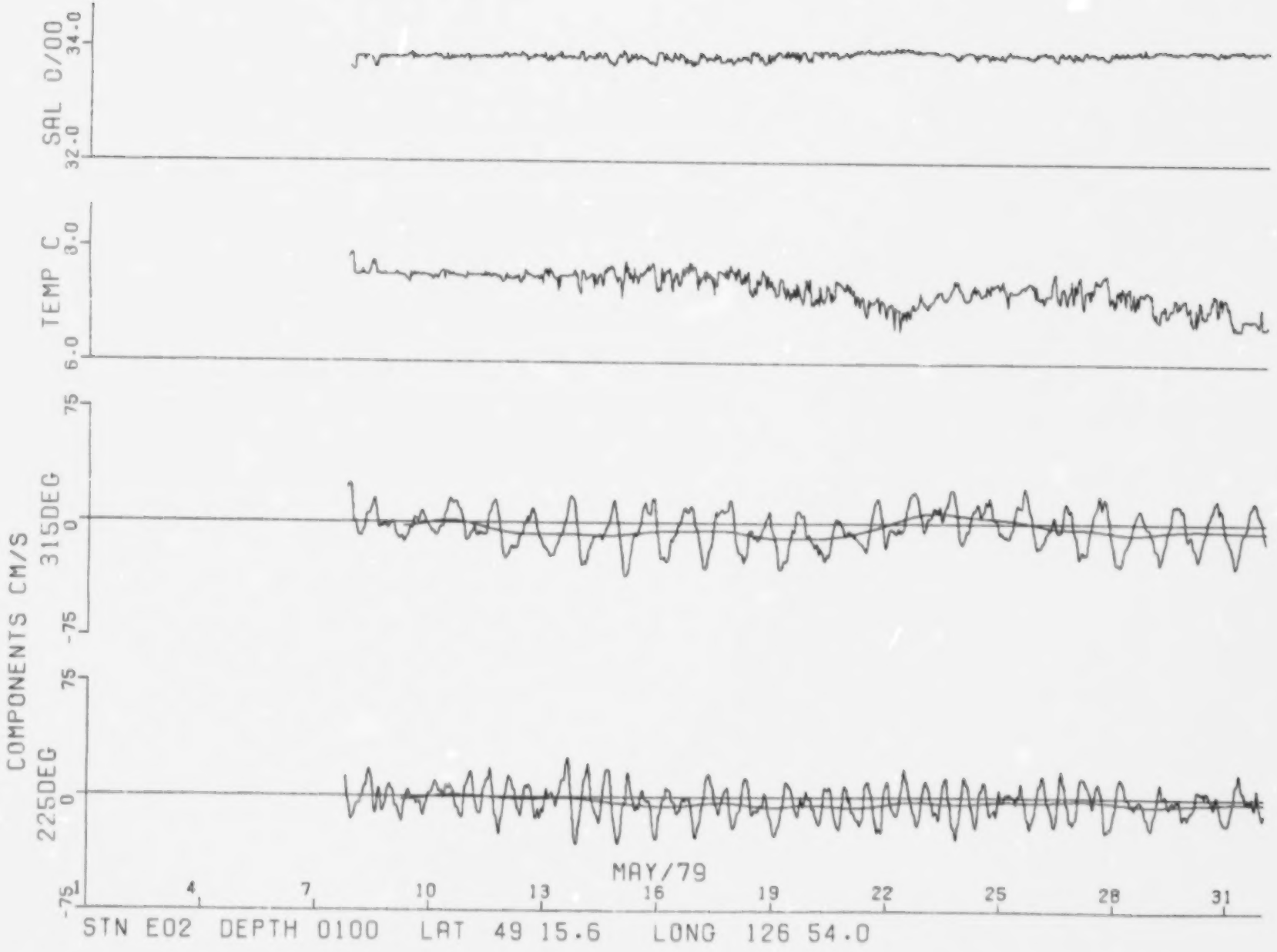
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

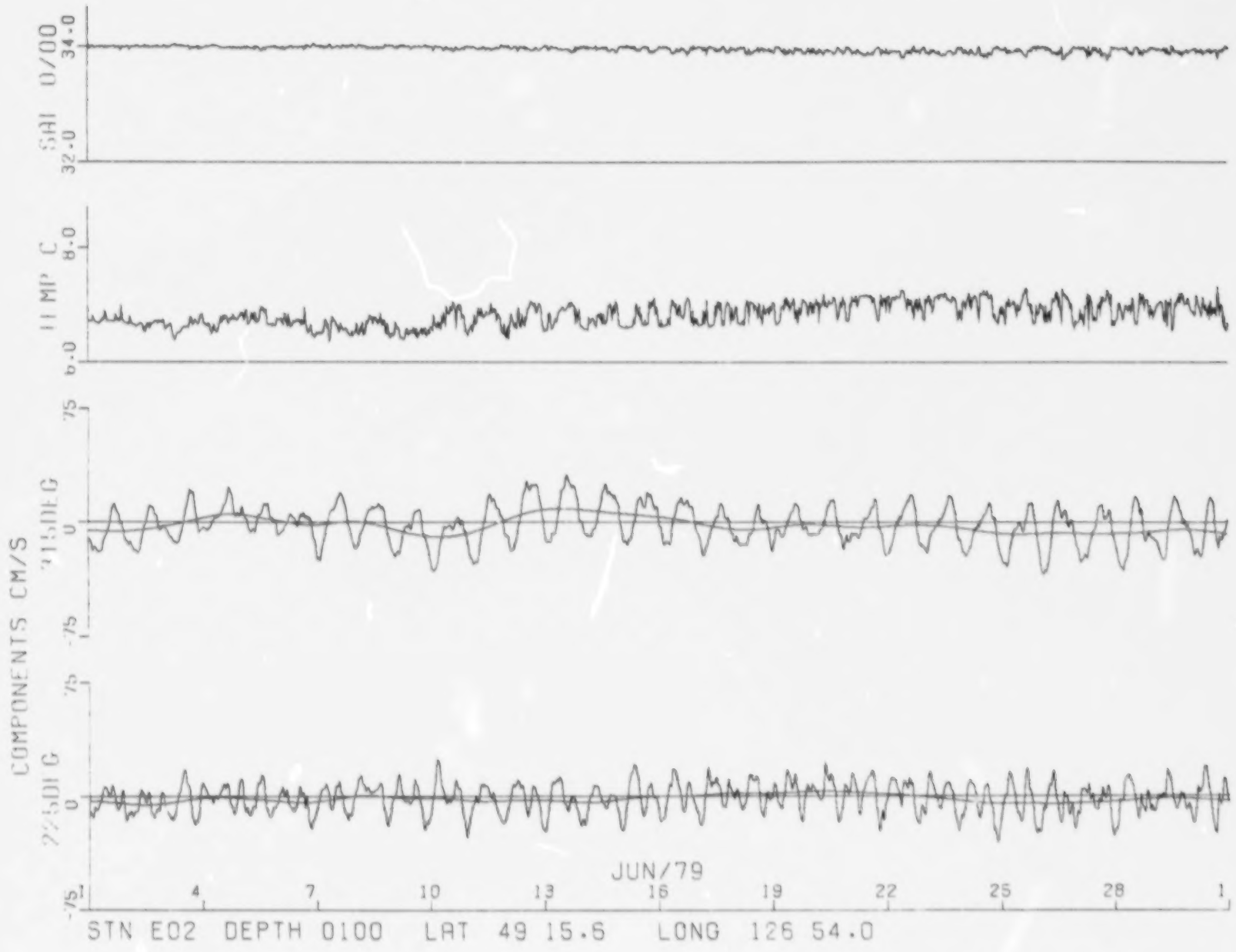
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

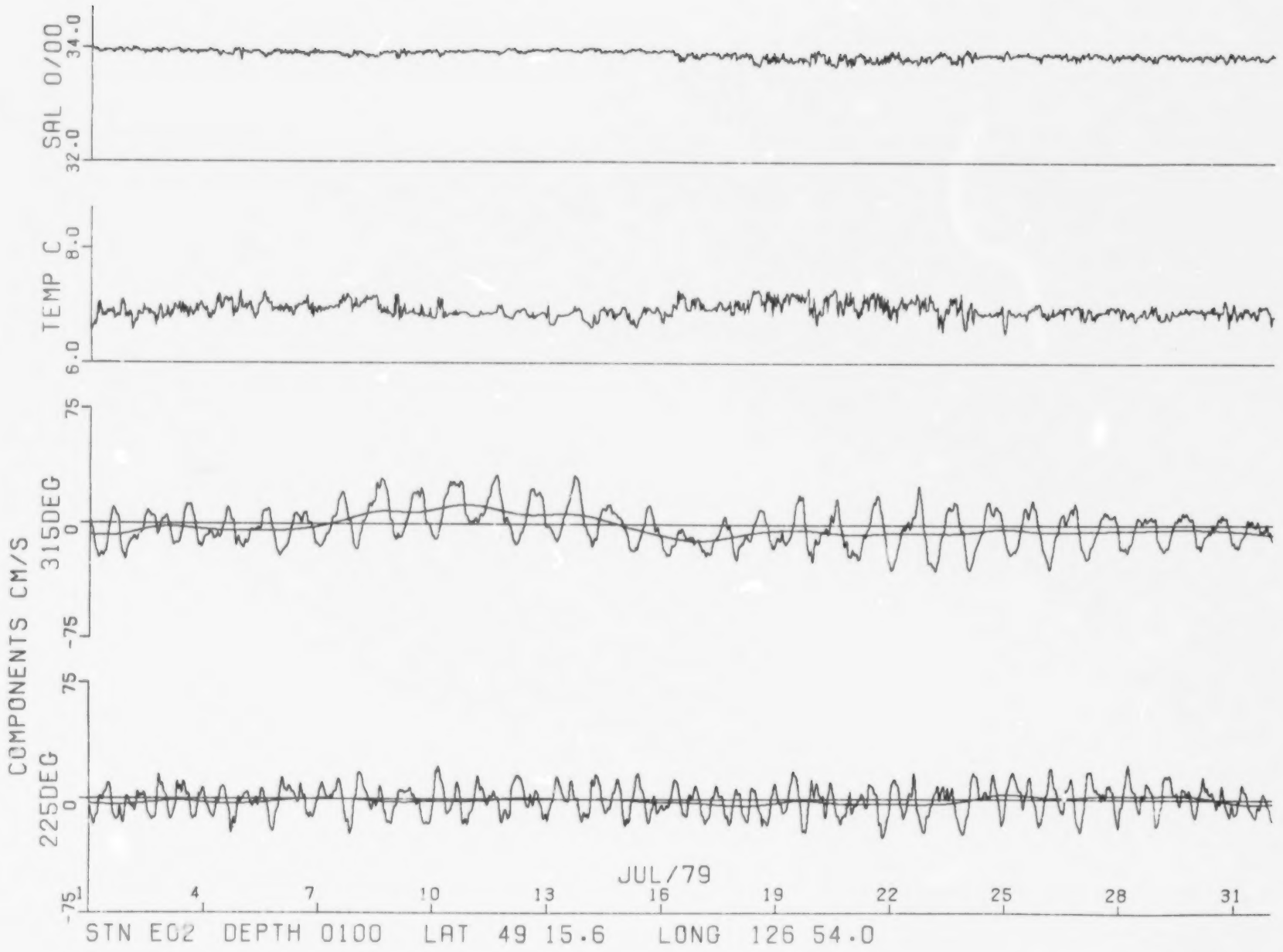
SIN DEPTH	AREA	DAY/YR	NO DAYS
E02 0050M	8600	127/79	79

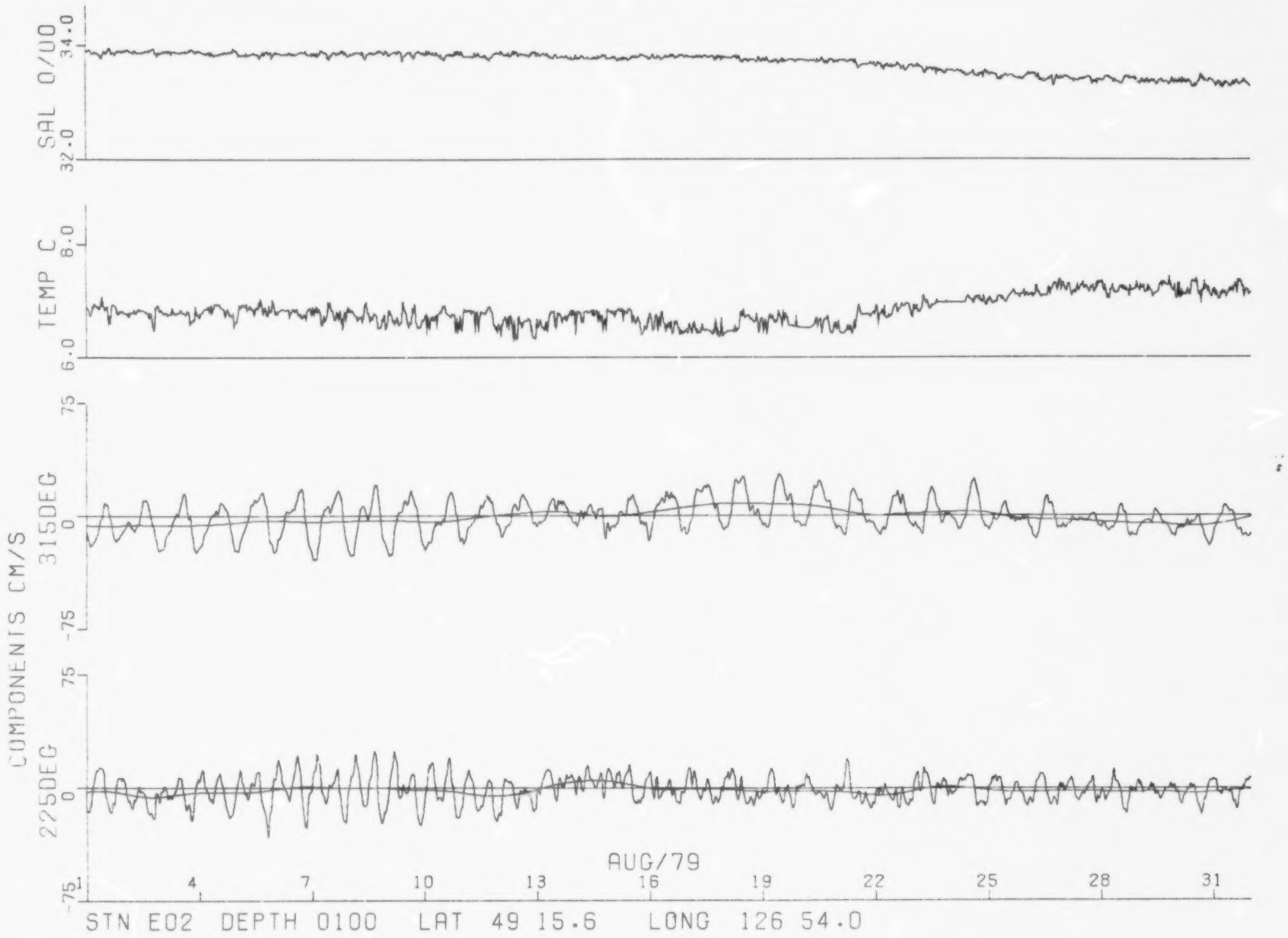
SCALE 100 KM

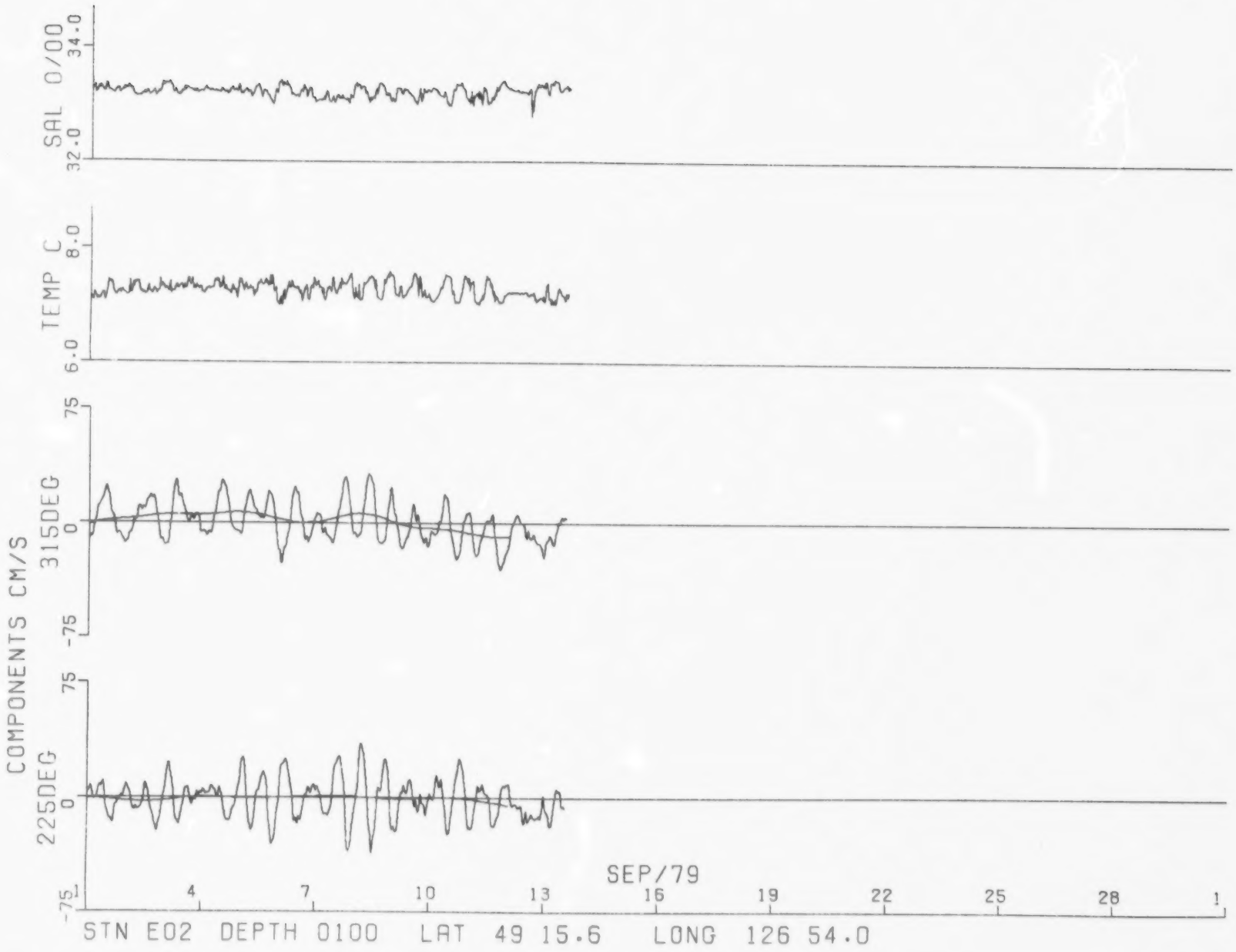

STATION E02
DEPTH 50 METRES
START OF RECORD 7/ 5/1979
DURATION 79 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
34.0
32.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
MAY/79
STN E02 DEPTH 0100 LAT 49 15.6 LONG 126 54.0


SAL 0/00
34.0
32.0
TEMP C
8.0
6.0
75
0
-75
75
0
-75
COMPONENTS CM/S
JUN/79
1
4
7
10
13
16
19
22
25
28
1
STN E02 DEPTH 0100 LAT 49 15.6 LONG 126 54.0


SAL 0/00
34.0
32.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN EG2 DEPTH 0100 LAT 49 15.6 LONG 126 54.0


SAL O/UO
34.0
32.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0100 LAT 49 15.6 LONG 126 54.0


SAL 0/00
34.0
32.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
1
STN E02 DEPTH 0100 LAT 49 15.6 LONG 126 54.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E02 Depth 0100 ESTEVAN POINT 49 15.6 N 126 54.0 W Length of record=129 Days
Start of record 0 mn 19 hr 7 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	007	028	053	034	016	003	001		001																	143
10- 19	009	042	046	033	015	004	001	001	001																	152
20- 29	012	043	058	029	012		002																			156
30- 39	011	052	044	038	024	004	002	001																		176
40- 49	007	032	045	047	024	005	002																			162
50- 59	009	043	054	034	030	012	005																			187
60- 69	014	041	047	034	029	013	003																			181
70- 79	012	050	069	057	035	013	005																			241
80- 89	018	047	059	055	042	013	005																			239
90- 99	011	033	059	054	039	018	004	001																		219
100-109	017	042	049	043	047	016	003	003																		220
110-119	019	051	033	034	033	019	008	001																		198
120-129	016	056	043	028	034	020	013	002																		212
130-139	017	051	054	039	045	025	005																			236
140-149	016	074	054	046	048	020	007																			265
150-159	022	055	056	049	030	022	008																			242
160-169	019	072	053	046	035	015	003	001																		244
170-179	012	055	062	036	035	013	004	003																		220
180-189	010	044	052	042	027	008																				183
190-199	008	050	045	021	006	005																				135
200-209	011	030	025	010	005	003																				84
210-219	011	030	021	013	006	001	001																			83
220-229	012	030	007	008	005	001	001																			64
230-239	009	029	033	012	003	001		001																		88
240-249	013	035	038	014	003	005	001	001																		110
250-259	006	039	031	017	008	005	002																			108
260-269	013	062	028	019	008	002	003	001																		136
270-279	008	042	039	019	009	001	002																			120
280-289	017	031	048	041	010	002	002																			151
290-299	010	048	053	040	014	007	002																			174
300-309	009	036	043	029	024	010	005																			156
310-319	012	050	042	047	030	019	005																			205
320-329	016	034	061	041	038	016	001																			207
330-339	009	049	048	042	030	015	004																			197
340-349	008	026	045	034	010	007	001																			131
350-359	015	032	052	029	019	007	001	001																		156
	1564		1214		350		17		0		0		0		0		0		0		0		0		0	6181
	445		1649		828		112		2		0		0		0		0		0		0		0		0	

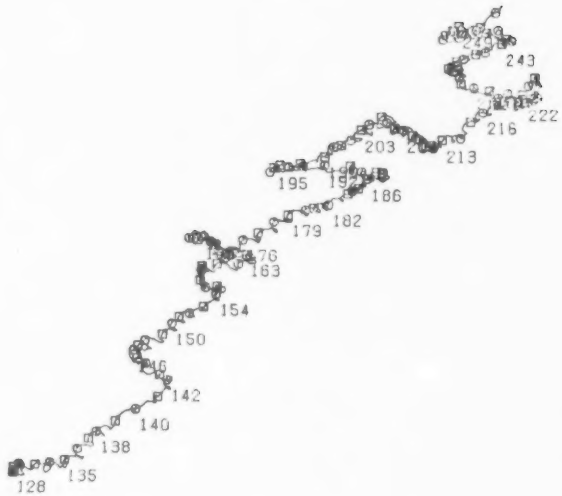
Number of zero rates: 0

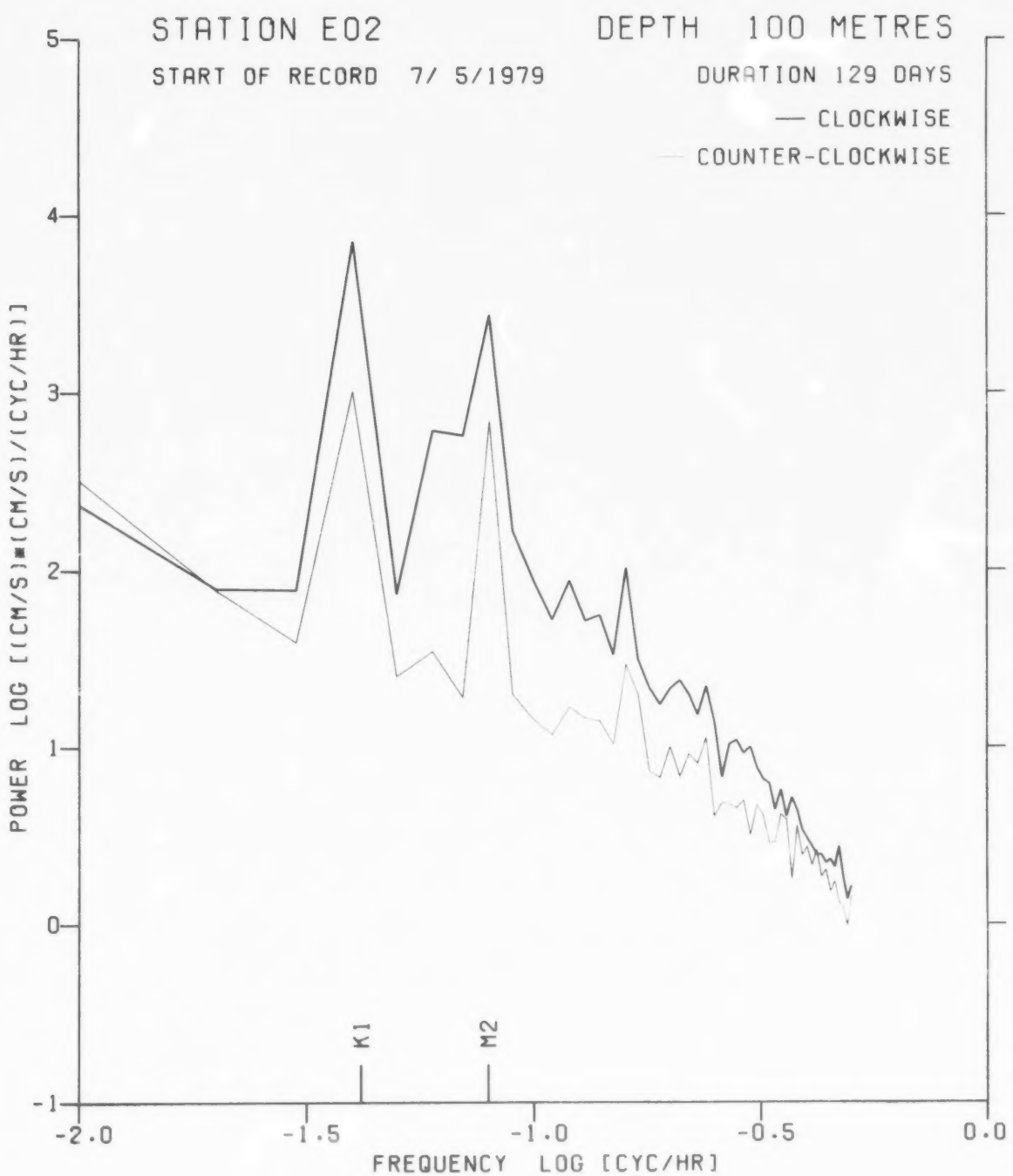
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

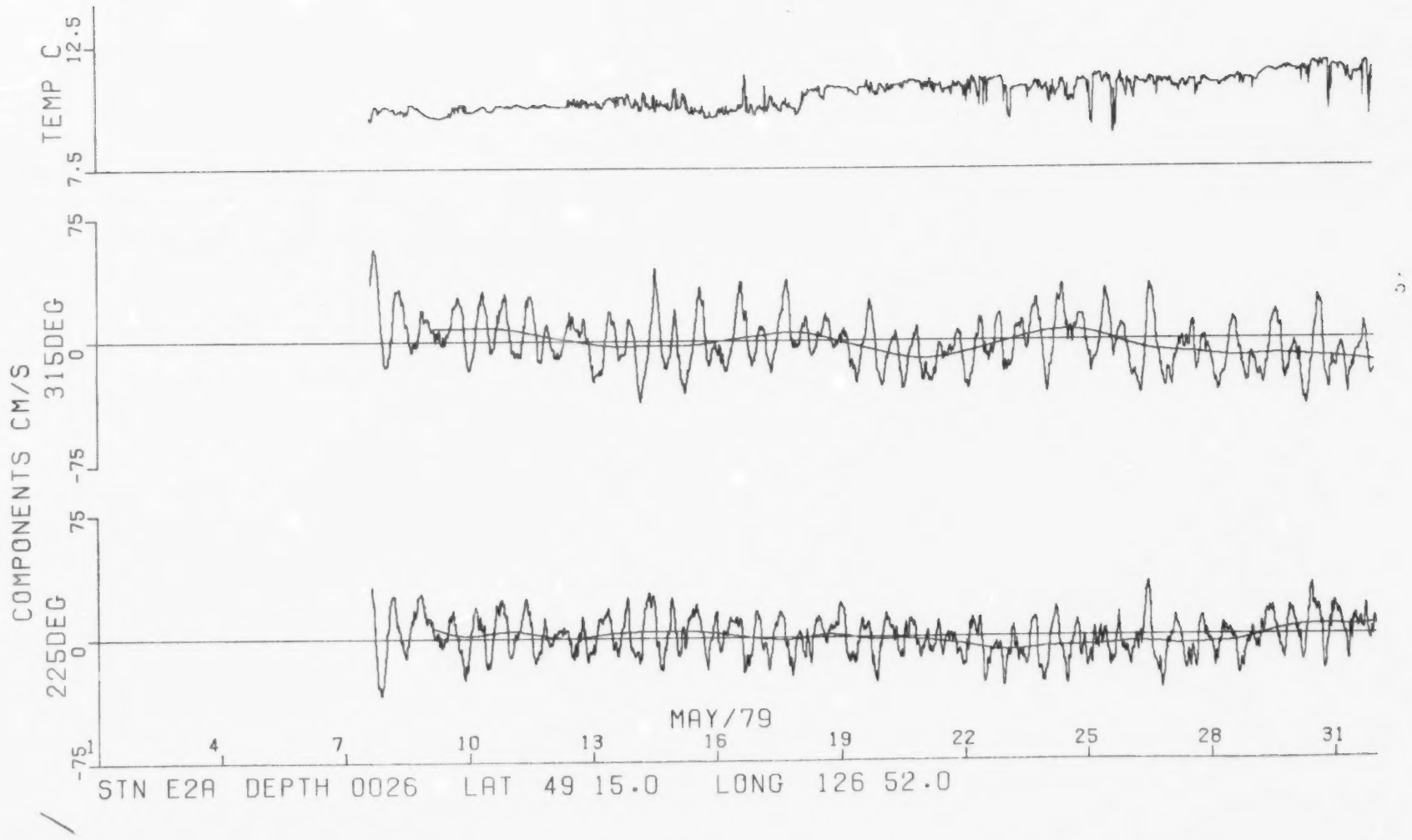
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

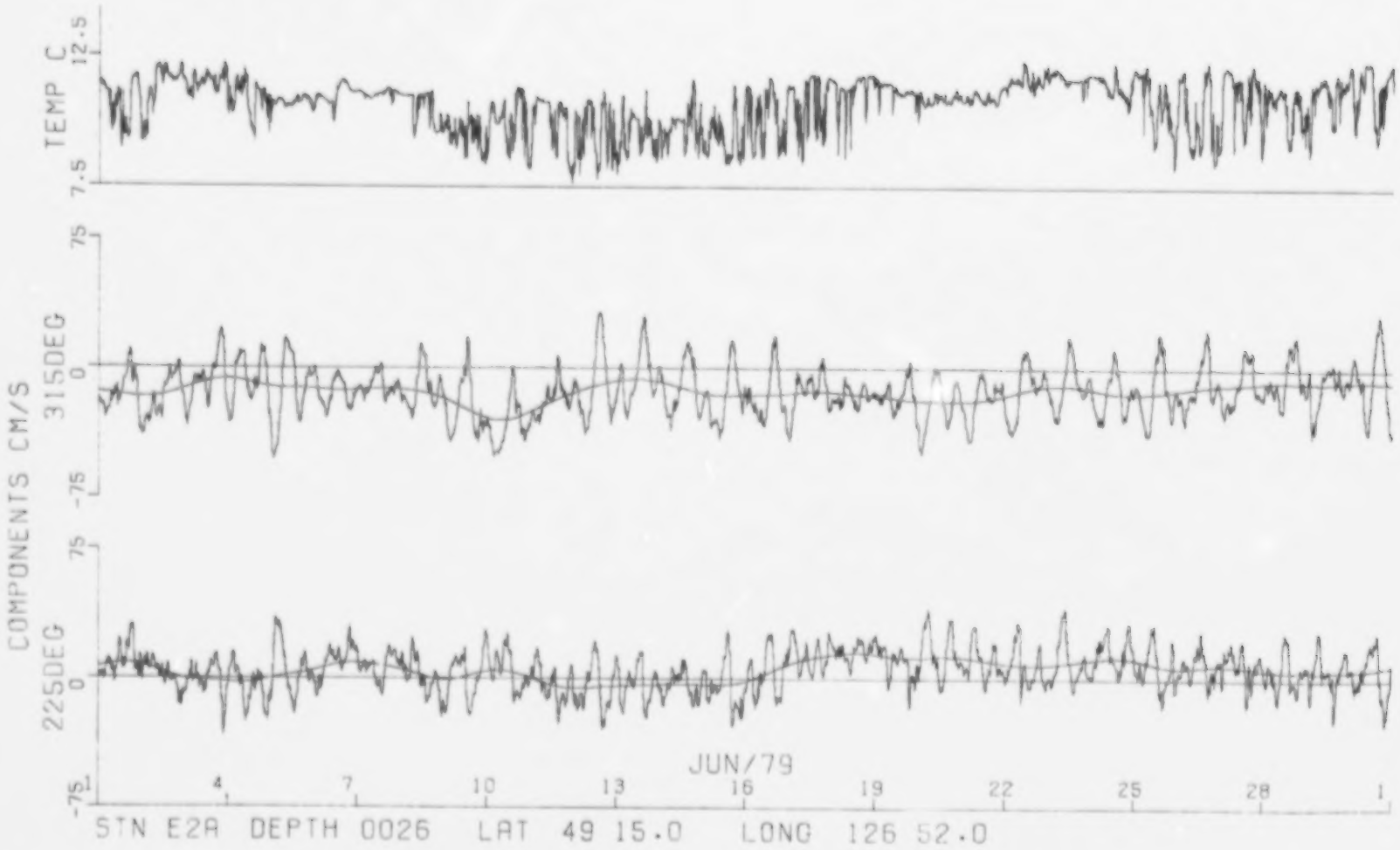
STN	DEPTH	AREA	DAY/YR	NO DAYS
E02	0100M	8500	127/79	129

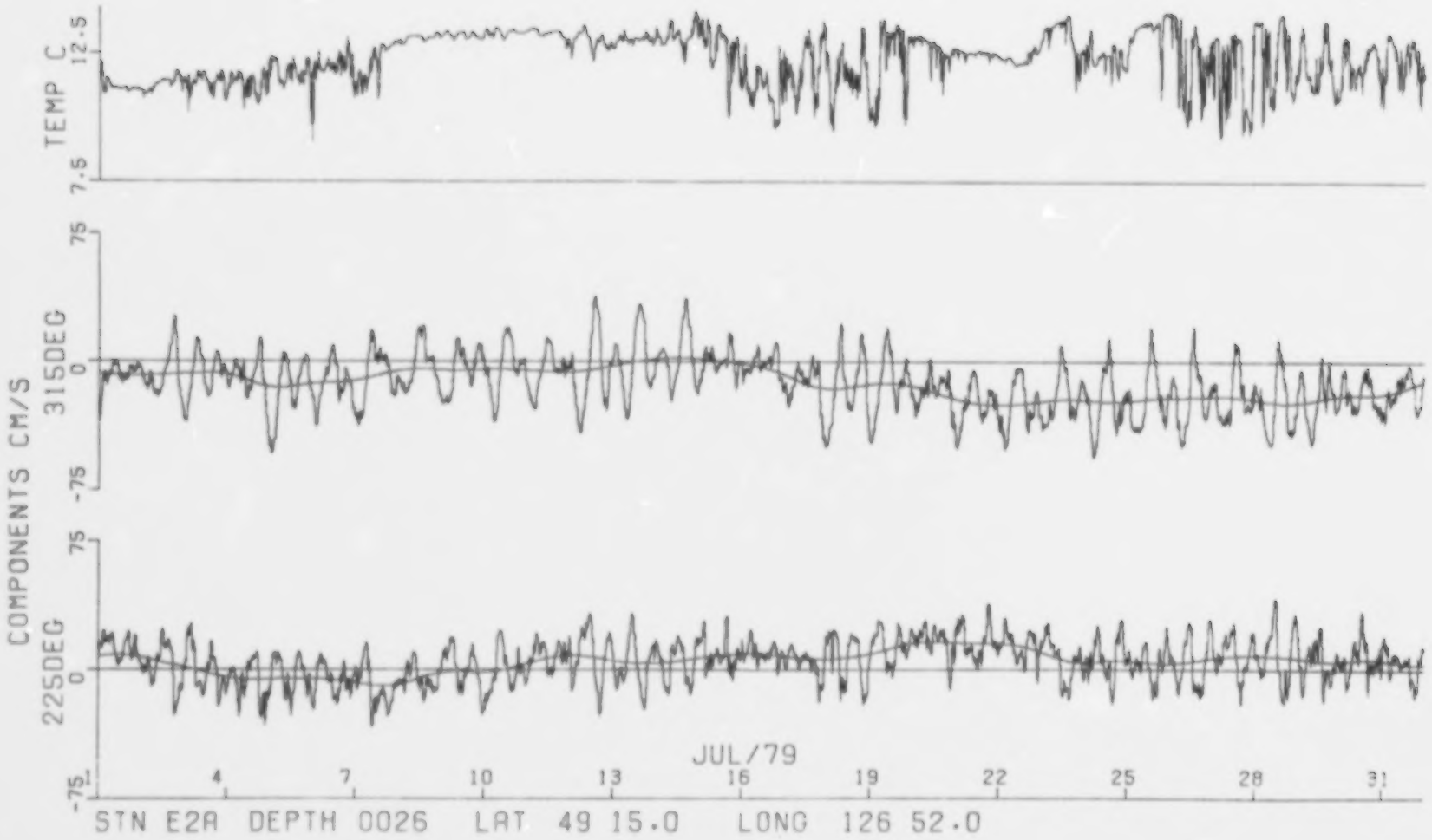
SCALE 100 KM

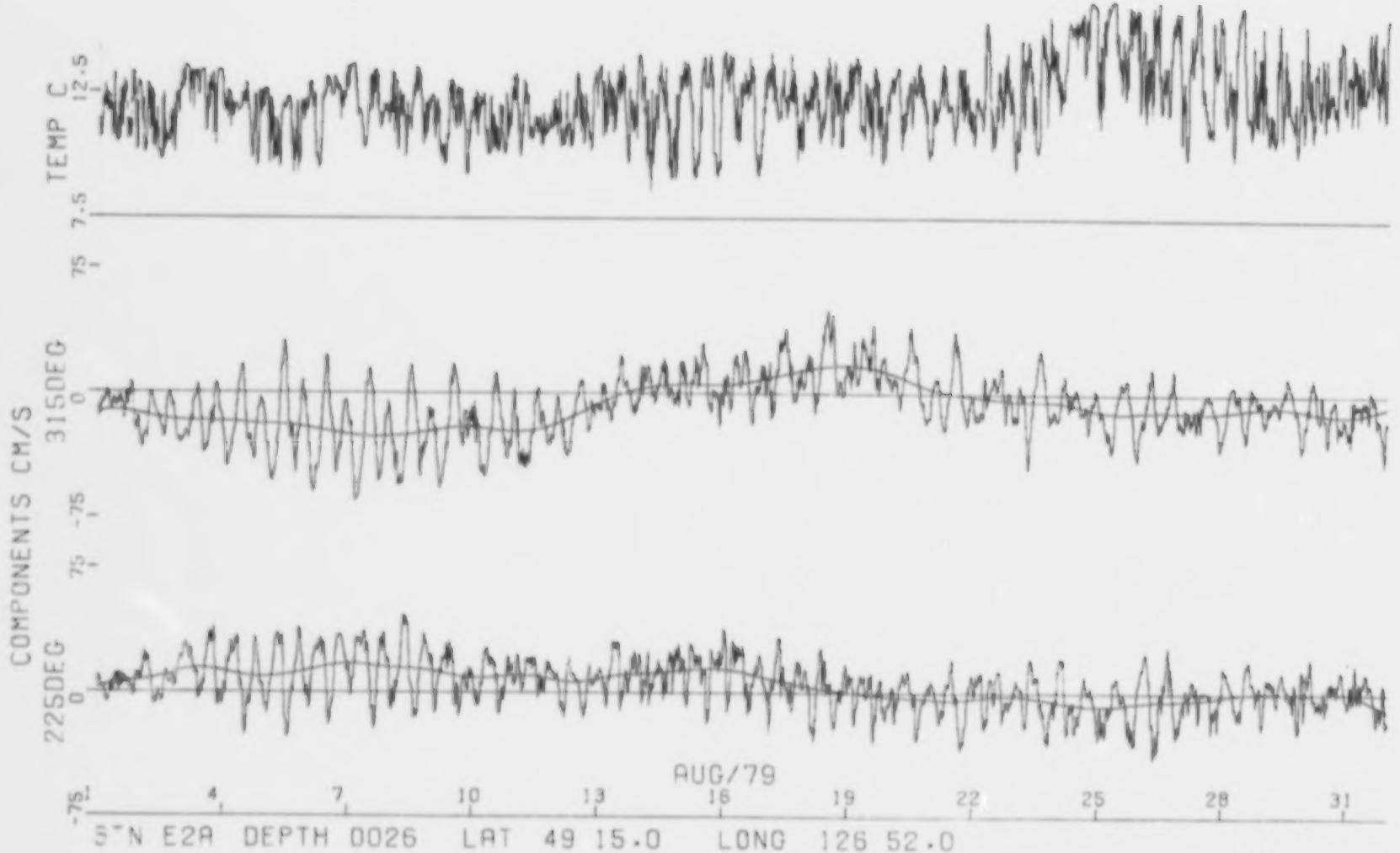


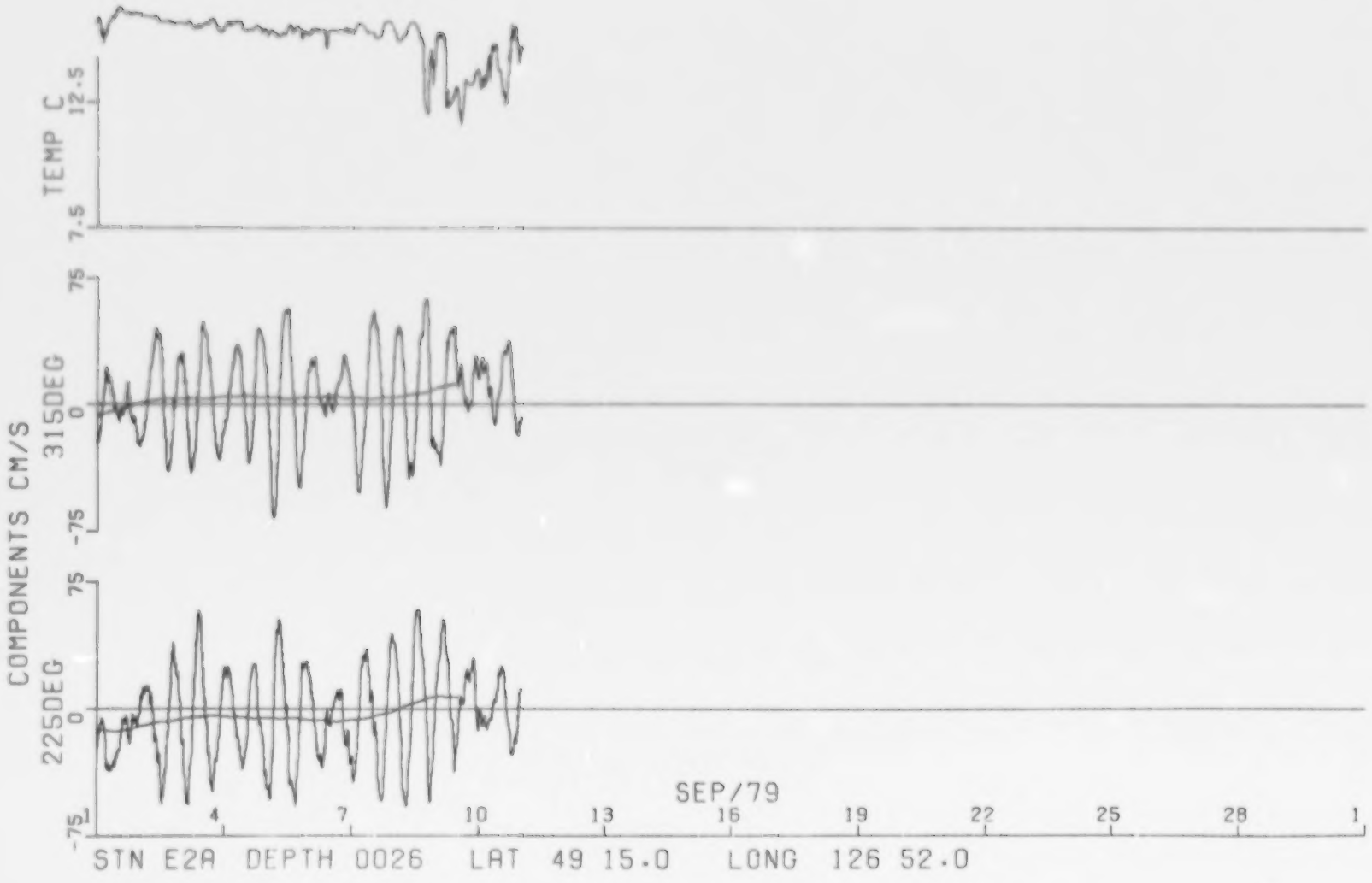

STATION E02
DEPTH 100 METRES
START OF RECORD 7/ 5/1979
DURATION 129 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


TEMP C
12.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN E2A DEPTH 0026 LAT 49 15.0 LONG 126 52.0


TEMP C
12.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
1
4
7
10
13
16
19
22
25
28
1
STN E2A DEPTH 0026 LAT 49 15.0 LONG 126 52.0


TEMP C
12.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
1
4
7
10
13
16
19
22
25
28
31
STN E2A DEPTH 0026 LAT 49 15.0 LONG 126 52.0


TEMP C
12.5
7.5
75
COMPONENTS CM/S
315DEG
0
-75
75
225DEG
0
AUG/79
-75
4
7
10
13
16
19
22
25
28
31
STN E2A DEPTH 0026 LAT 49 15.0 LONG 126 52.0


TEMP C
12.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN E2A DEPTH 0026 LAT 49 15.0 LONG 126 52.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E2A Depth 0026 ESTEVAN POINT E2A 49 15.0 N 126 52.0 W Length of record=126 Days
Start of record 30 mn 15 hr 7 dy 5 mo 79 yr PST Rate of obser.= 4 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	013	021	053	034	020	024	007	005	003	002	003	004														189
10- 19	007	035	035	022	023	015	013	006	004	004	003	003														170
20- 29	008	031	039	022	013	014	014	009	004	003	002	005	001													165
30- 39	012	032	037	042	022	014	011	004	001	005	002	001														183
40- 49	006	026	036	043	029	010	011	003		005	004															181
50- 59	009	033	033	046	022	027	005	001	002	007	004	004														193
60- 69	007	029	046	043	022	032	007	001	003	002	002	004	004													202
70- 79	017	040	048	050	036	019	006	006	007	001		004	002													236
80- 89	012	043	054	068	055	041	013	010	003	002	001	003	002	001												308
90- 99	015	024	048	064	056	038	017	004	004	007	003	003	002	001												286
100-109	015	043	054	085	075	050	026	014	003	001	002	001			002											371
110-119	023	039	063	088	075	077	040	031	017	003	004	001	001	001	001											472
120-129	021	038	055	072	099	084	069	050	020	012	007	001	001	001												530
130-139	014	057	071	103	120	092	074	057	026	026	012	003														655
140-149	020	068	083	120	121	113	088	078	035	038	026	013		002												805
150-159	023	057	121	127	127	105	097	061	053	031	036	006	004	004												852
160-169	025	076	109	104	120	082	080	075	054	025	020	010	004	005	003											808
170-179	015	085	117	100	101	068	071	056	038	023	006	008	001	001												690
180-189	017	075	109	096	113	083	048	041	030	013	003	004	004													636
190-199	017	088	100	081	089	048	034	033	015	002	005															512
200-209	014	059	088	074	069	041	031	012	009	001	002	001														401
210-219	016	065	068	052	054	040	019	005	005		004	002														330
220-229	016	042	042	053	041	026	010	009	003	001	003	002														248
230-239	024	039	048	045	034	035	015	004	003	001	001	004														253
240-249	009	037	044	045	033	025	011	003	002		001	003	003													216
250-259	017	032	039	039	034	025	010	006	002	004		002	001													211
260-269	005	032	033	034	044	032	014	007	005	002	003	002	002													215
270-279	011	035	027	041	040	020	008	013	002	005	007	002														211
280-289	005	028	032	041	034	029	011	009	001	004	003	003														200
290-299	007	034	037	037	029	023	025	007	003	005	005	001	002													215
300-309	003	024	022	023	031	024	025	009	008	007	002	002	002													182
310-319	008	037	021	033	023	027	017	009	006	005	003	005	003													197
320-329	006	017	038	010	025	023	024	009	016	005	002	006	001													190
330-339	008	035	036	020	031	026	020	009	011	007	001	005	002													211
340-349	008	039	036	014	024	017	011	012	005	004	006	004	001													181
350-359	009	034	060	034	023	027	019	006	004	005	003	001	001													226
	1529		2013		1484		674		268		123		16		0		0		0		0		0		0	12131
	462		1982		1915		1009		407		199		44		6		0		0		0		0		0	

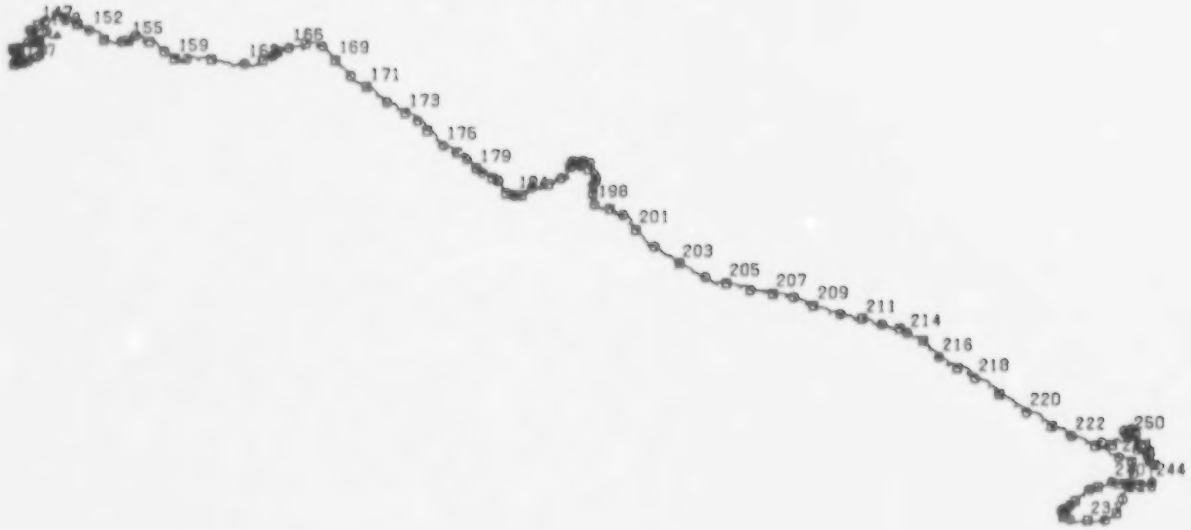
Number of zero rates: 2

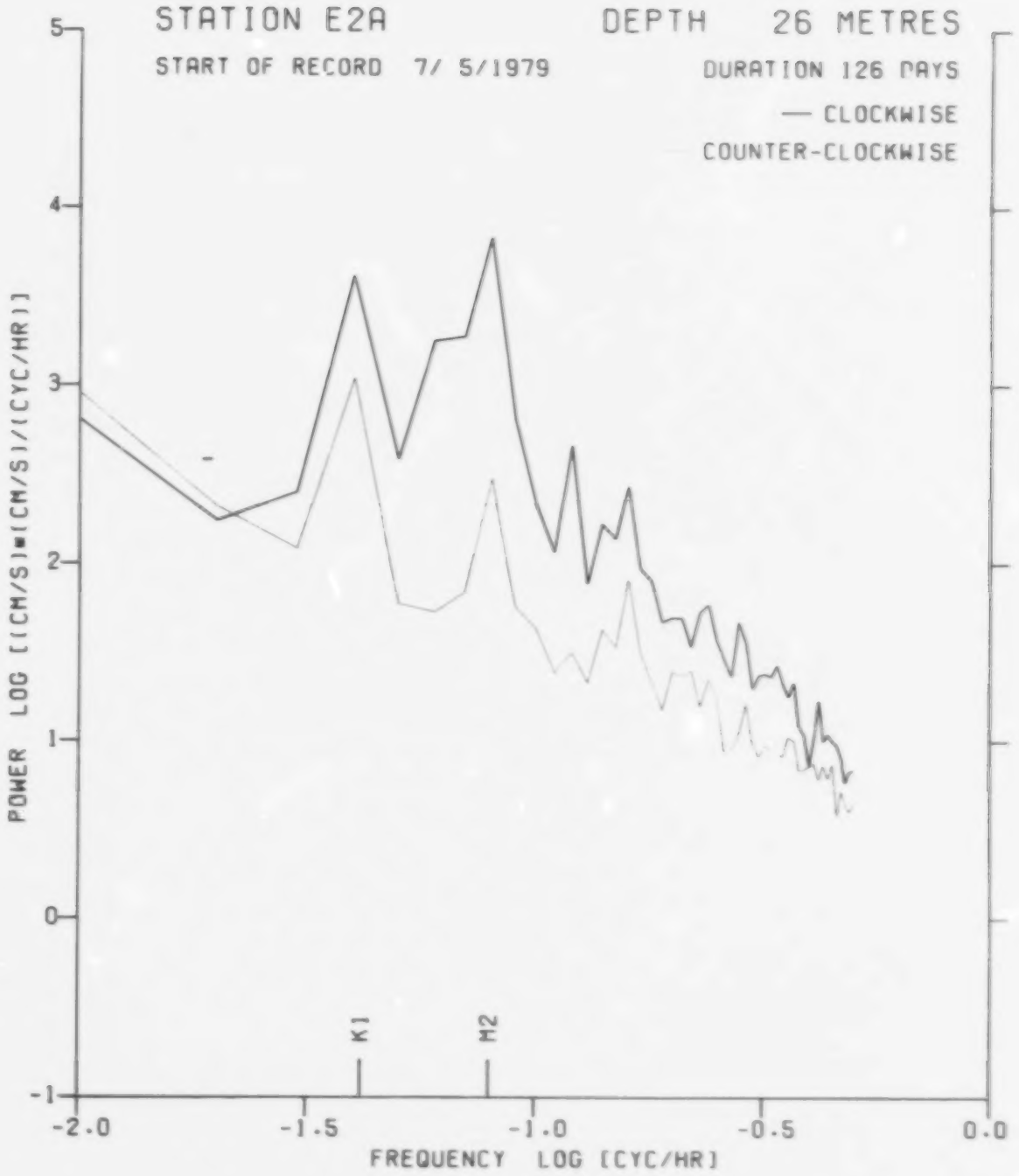
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

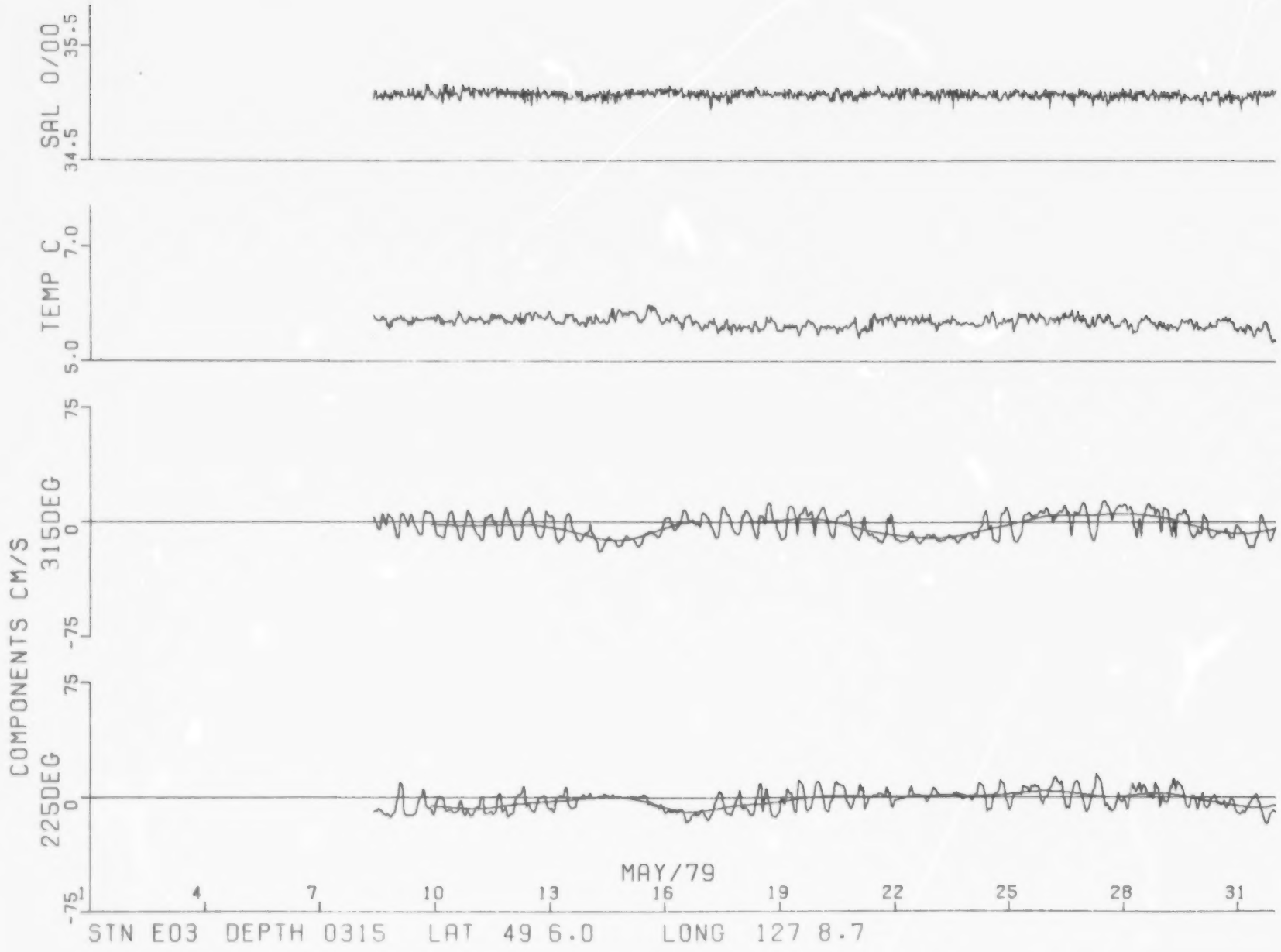
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

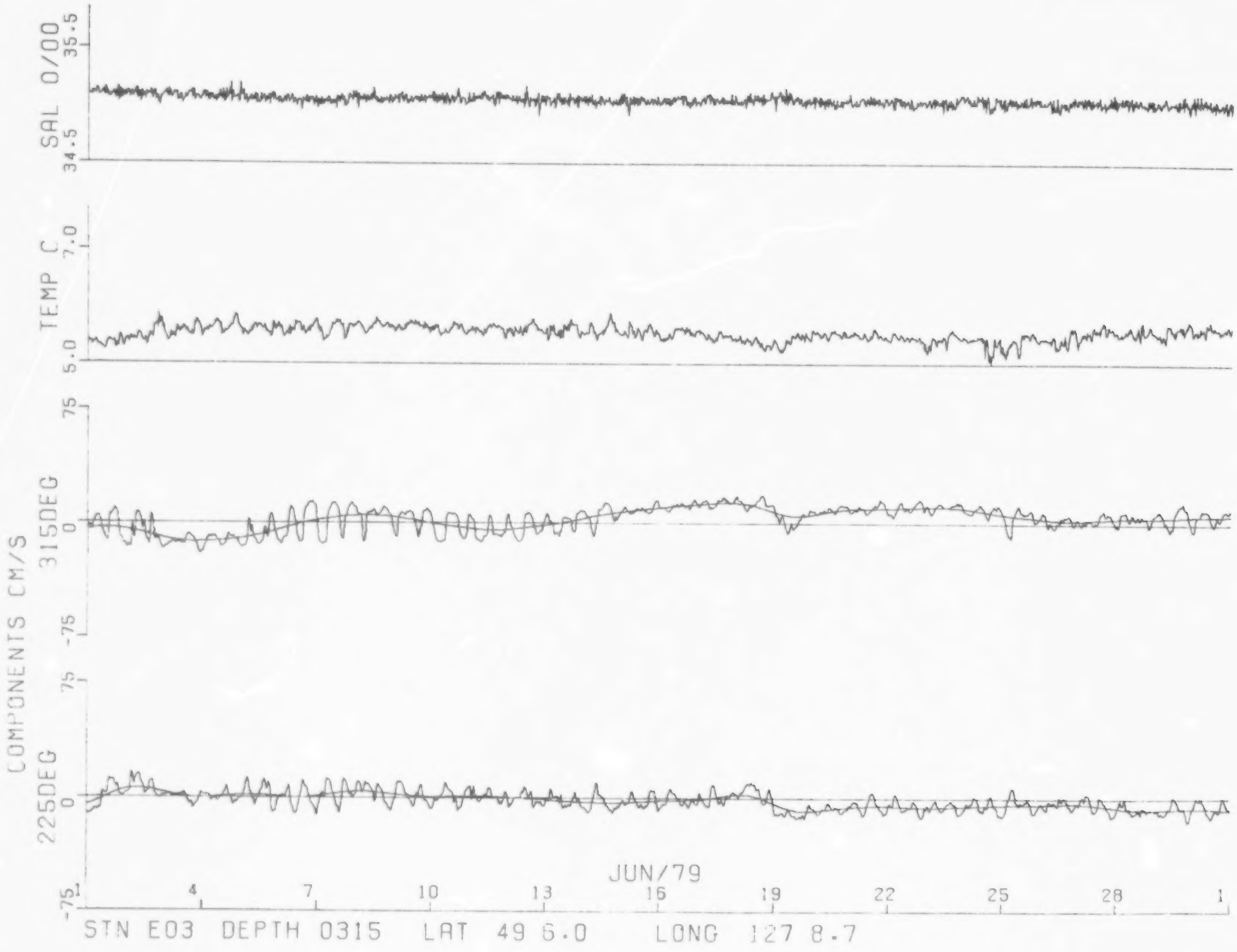
STN	DEPTH	AREA	DAY/YR	NO DAYS
E2A	0026M	8600	127/79	126

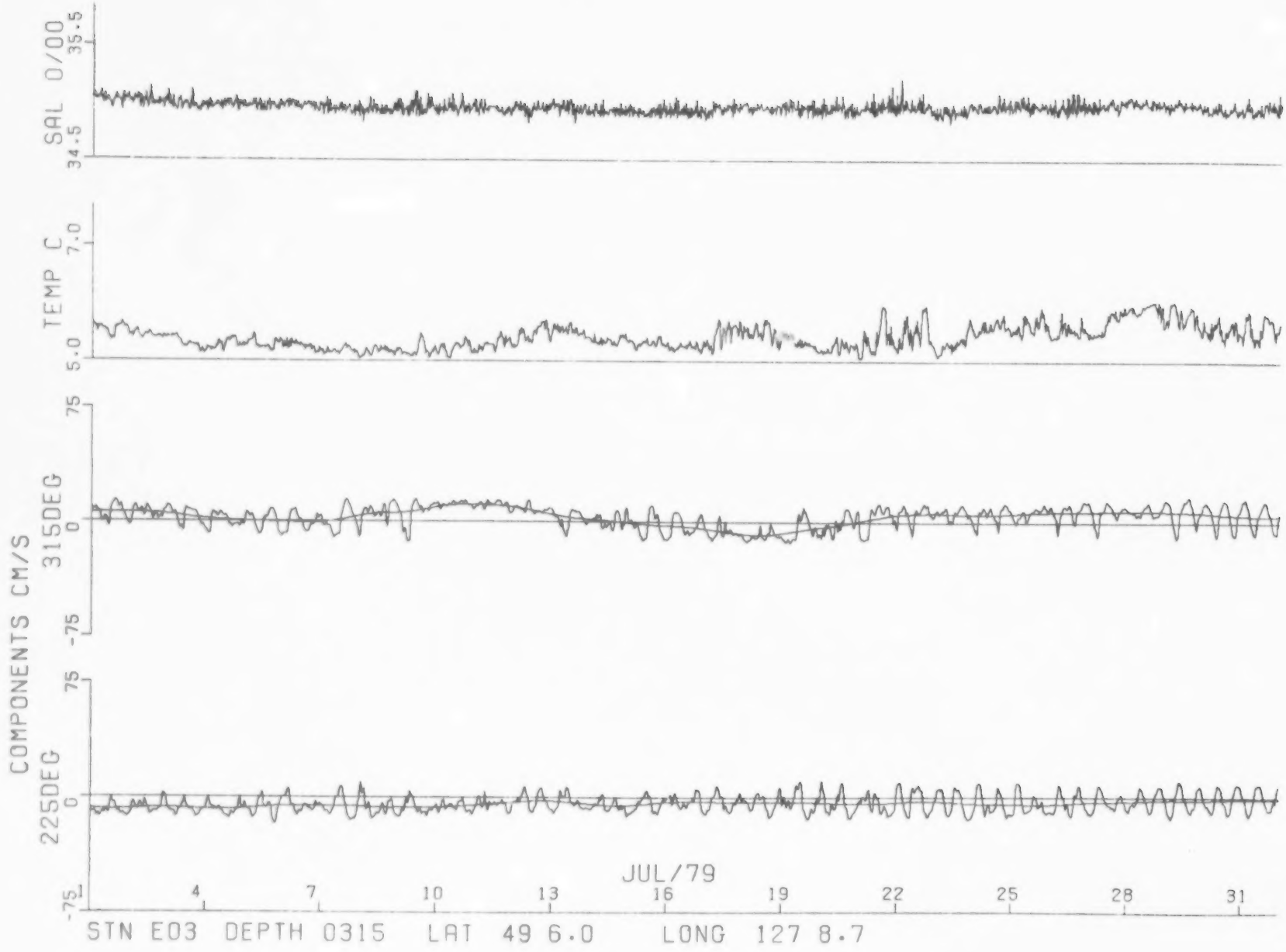
SCALE
100 KM

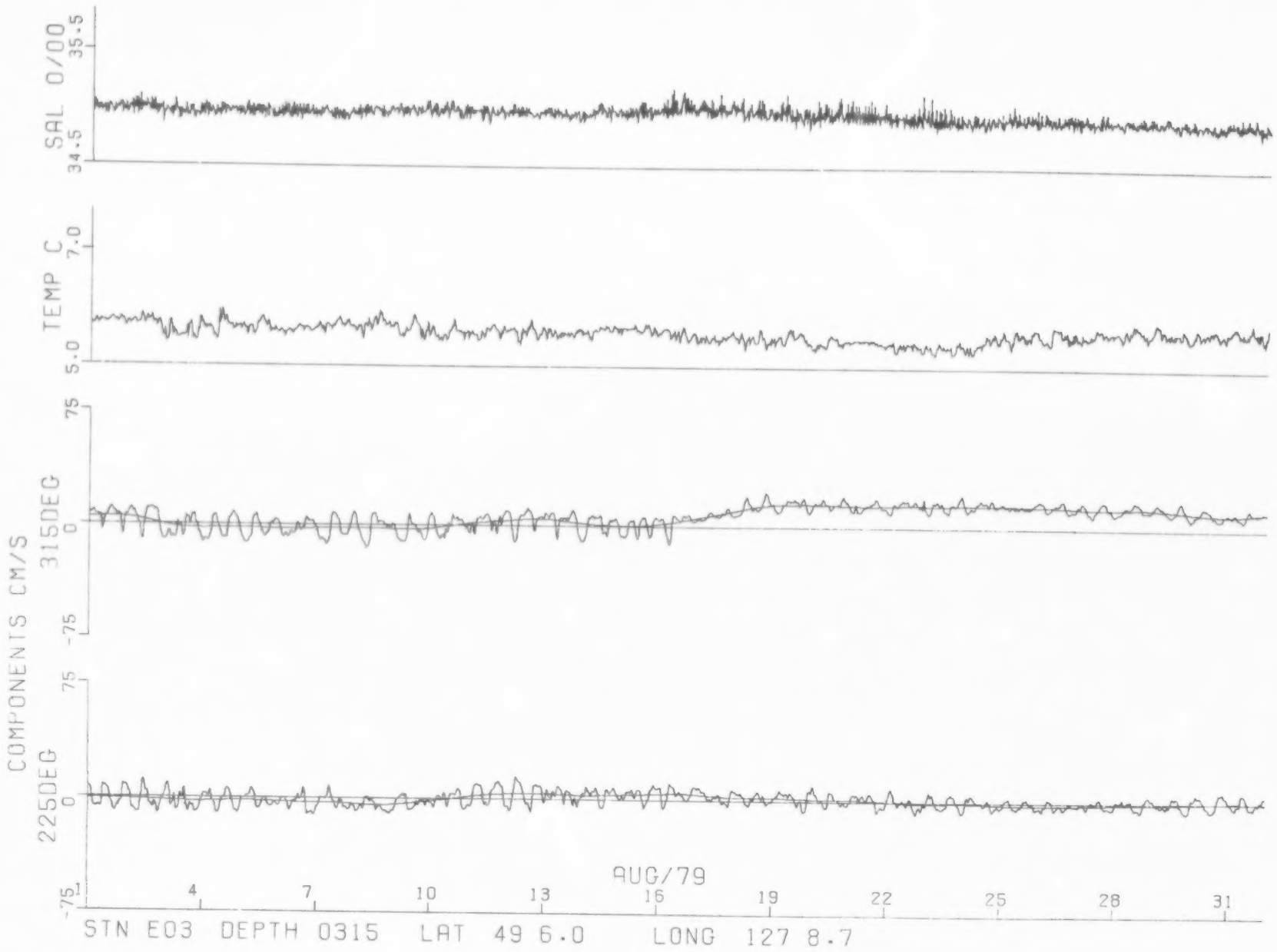


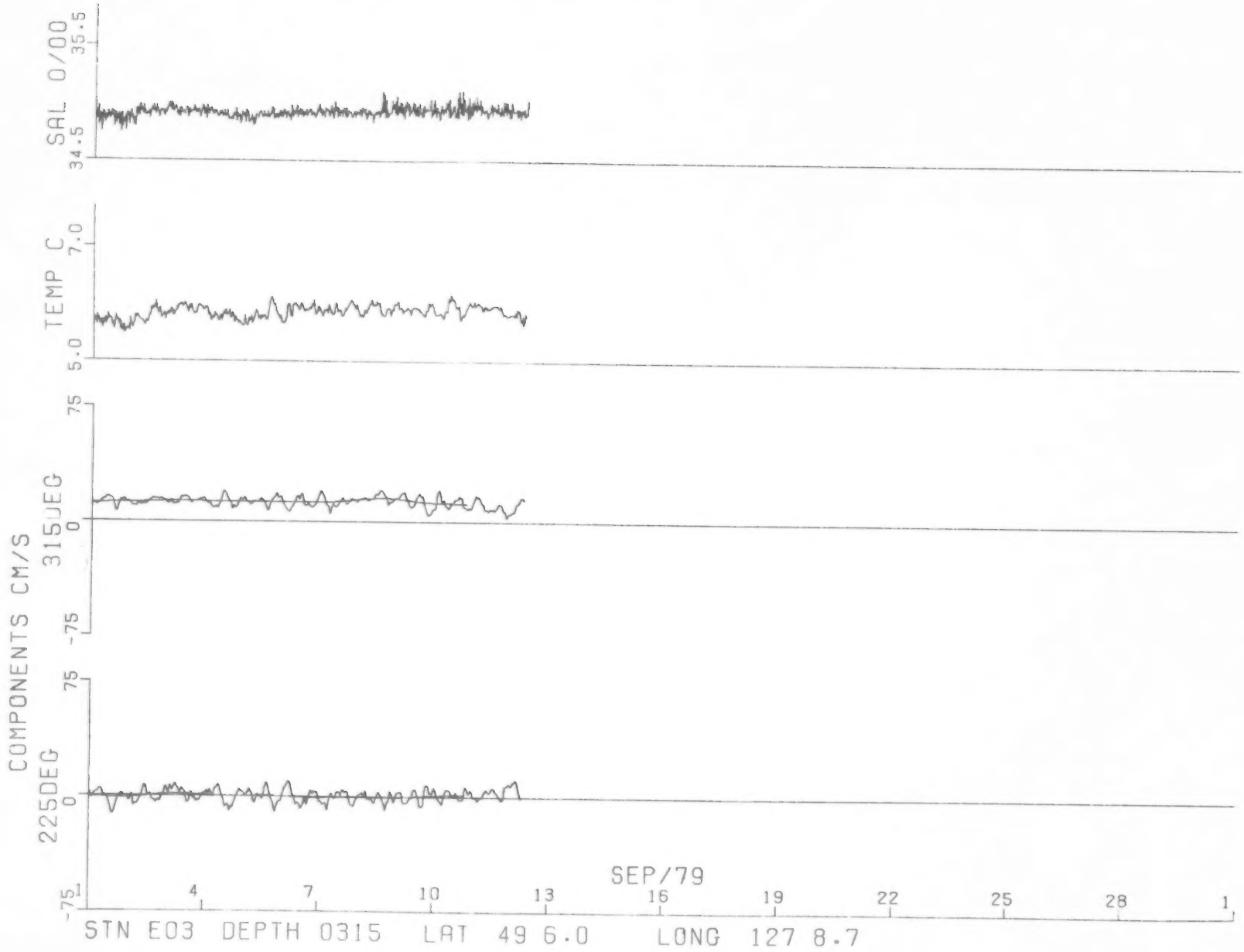

STATION E2A
DEPTH 26 METRES
START OF RECORD 7/ 5/1979
DURATION 126 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.5
34.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0315 LAT 49 6.0 LONG 127 8.7


SAL 0/00
35.5
34.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
1
4
7
10
13
16
19
22
25
28
1
STN E03 DEPTH 0315 LAT 49 6.0 LONG 127 8.7


SAL 0/00
35.5
34.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0315 LAT 49 6.0 LONG 127 8.7


SAL 0/00
35.5
34.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0315 LAT 49 6.0 LONG 127 8.7


SAL 0/00
35.5
34.5
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
1
SEP/79
STN E03 DEPTH 0315 LAT 49 6.0 LONG 127 8.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn EØ3 Depth Ø315 ESTEVAN POINT 49 Ø6.Ø N 127 Ø8.7 W Length of record=127 Days
Start of record 3Ø mn 9 hr 8 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	Ø01 to Ø04	Ø05 to Ø09	Ø1Ø to Ø14	Ø15 to Ø19	Ø2Ø to Ø24	Ø25 to Ø29	Ø3Ø to Ø34	Ø35 to Ø39	Ø4Ø to Ø44	Ø45 to Ø49	Ø5Ø to Ø54	Ø55 to Ø59	Ø6Ø to Ø64	Ø65 to Ø69	Ø7Ø to Ø74	Ø75 to Ø79	Ø8Ø to Ø84	Ø85 to Ø89	Ø9Ø to Ø94	Ø95 to Ø99	1ØØ to 1Ø4	1Ø5 to 1Ø9	11Ø to 114	115 to 119	12Ø to 124	
Ø- 9	Ø1Ø	Ø93	132	Ø13																						248
1Ø- 19	Ø04	Ø94	132	Ø03																						233
2Ø- 29	Ø04	1ØØ	Ø87	Ø07																						198
3Ø- 39	Ø07	Ø78	Ø82	Ø07																						174
4Ø- 49	Ø06	Ø6Ø	Ø75	Ø04																						145
5Ø- 59	Ø07	Ø87	Ø75	Ø03																						172
6Ø- 69	Ø05	Ø58	Ø53	Ø02																						118
7Ø- 79	Ø07	Ø62	Ø27	Ø01																						97
8Ø- 89	Ø06	Ø5Ø	Ø24	Ø01																						81
9Ø- 99	Ø06	Ø58	Ø41	Ø03																						1Ø8
1ØØ-1Ø9	Ø03	Ø55	Ø35	Ø01																						94
11Ø-119	Ø08	Ø66	Ø39	Ø01																						114
12Ø-129	Ø06	Ø74	Ø8Ø	Ø03																						167
13Ø-139	Ø06	145	17Ø	Ø3[illegible]	Ø02																					358
14Ø-149	Ø04	Ø98	151	Ø17																						27Ø
15Ø-159	Ø06	Ø4Ø	Ø28	Ø03																						77
16Ø-169	Ø08	Ø37	Ø14	Ø01																						6Ø
17Ø-179	Ø04	Ø18	Ø1Ø																							32
18Ø-189	Ø04	Ø11	Ø07	Ø01																						23
19Ø-199	Ø08	Ø15	Ø12																							35
2ØØ-2Ø9	Ø01	Ø12	Ø07	Ø02																						22
21Ø-219	Ø03	Ø07	Ø04	Ø01																						15
22Ø-229	Ø04	Ø09	Ø04	Ø01																						18
23Ø-239	Ø04	Ø33	Ø16	Ø01																						54
24Ø-249	Ø07	Ø31	Ø22	Ø02																						62
25Ø-259	Ø04	Ø99	Ø64	Ø01																						168
26Ø-269	Ø05	1Ø6	Ø71	Ø02																						184
27Ø-279	Ø11	Ø79	Ø42	Ø07																						139
28Ø-289	Ø03	Ø7Ø	Ø77	Ø1Ø																						16Ø
29Ø-299	Ø04	Ø7Ø	139	Ø48																						261
3ØØ-3Ø9	Ø08	Ø71	171	Ø88	Ø05																					343
31Ø-319	Ø03	Ø84	21Ø	133	Ø07																					437
32Ø-329	Ø06	Ø96	226	121	Ø04																					453
33Ø-339	Ø05	1Ø1	24Ø	Ø53	Ø01																					4ØØ
34Ø-349	Ø04	11Ø	156	Ø33																						3Ø3
35Ø-359	Ø04	Ø85	154	Ø26																						269
	2362		639		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø	6Ø92
	195	2877		19		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		

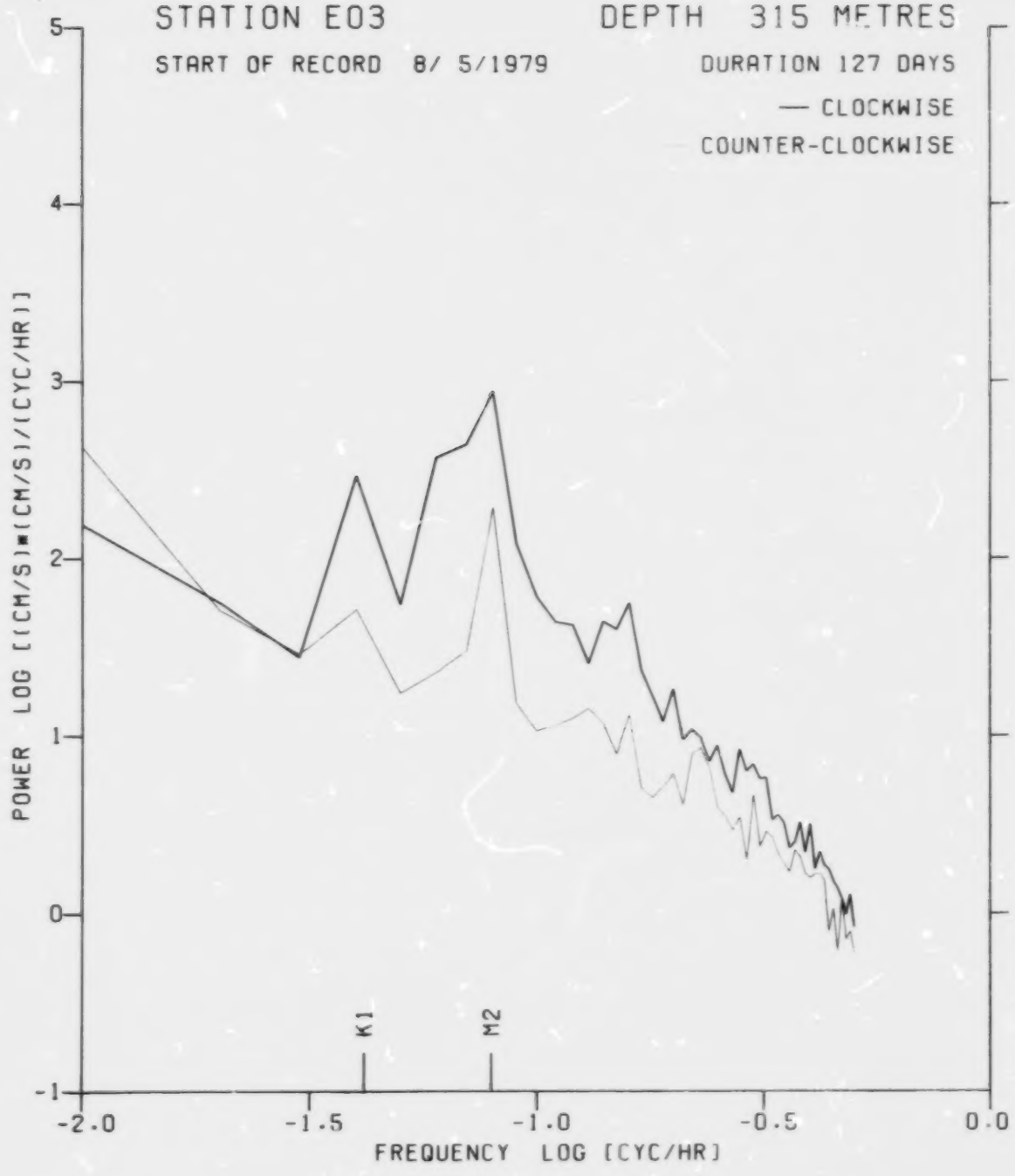
Number of zero rates: Ø

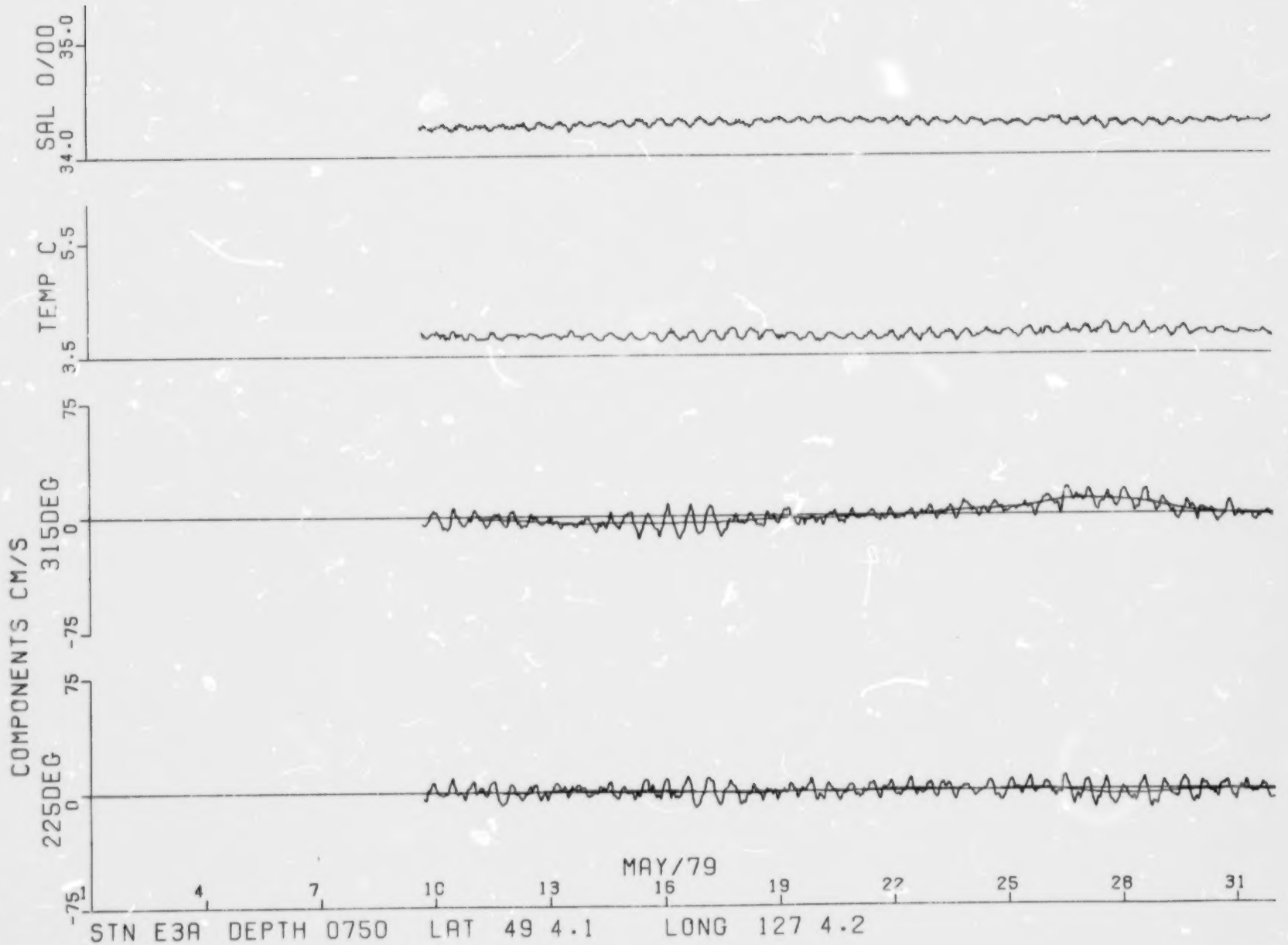
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

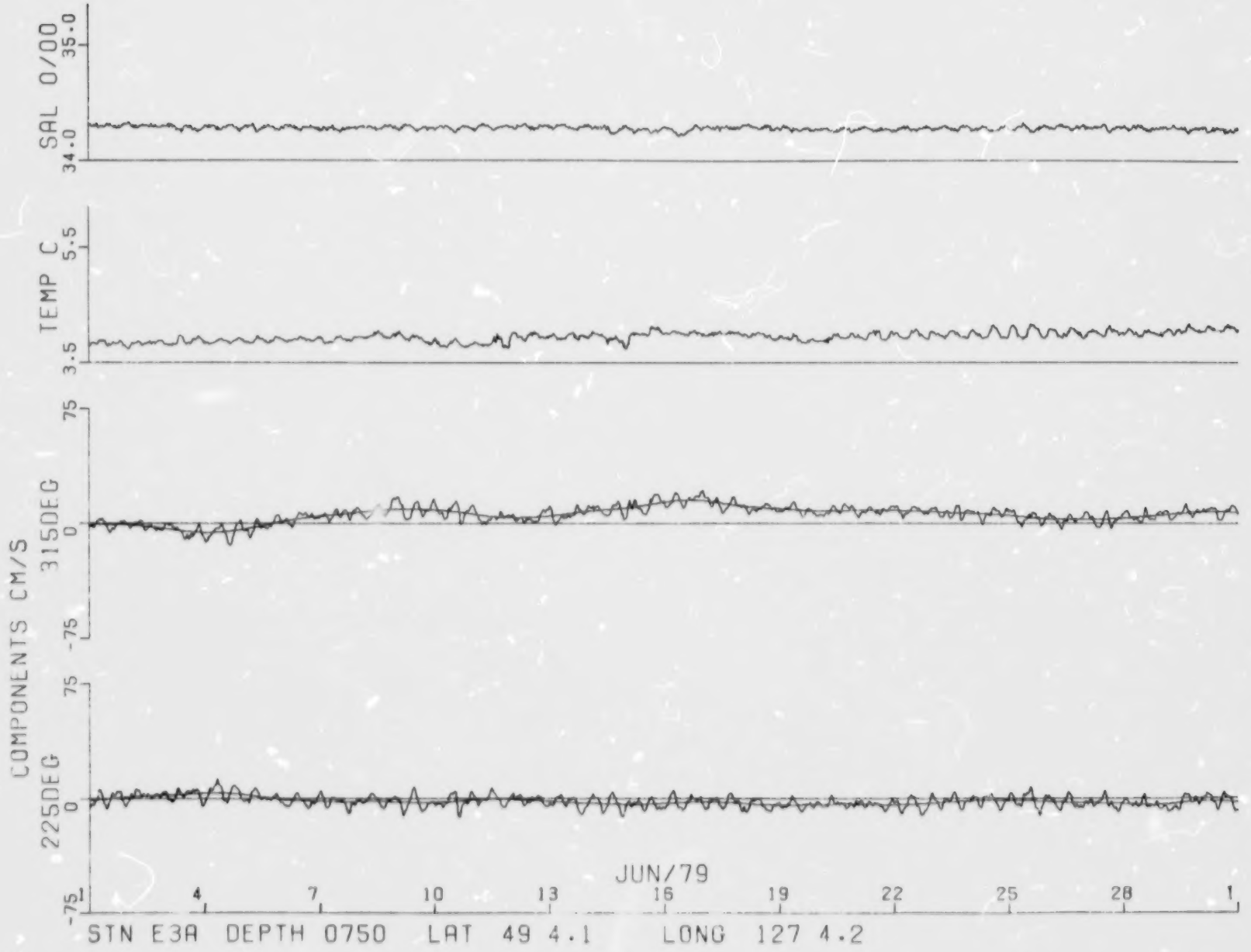
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

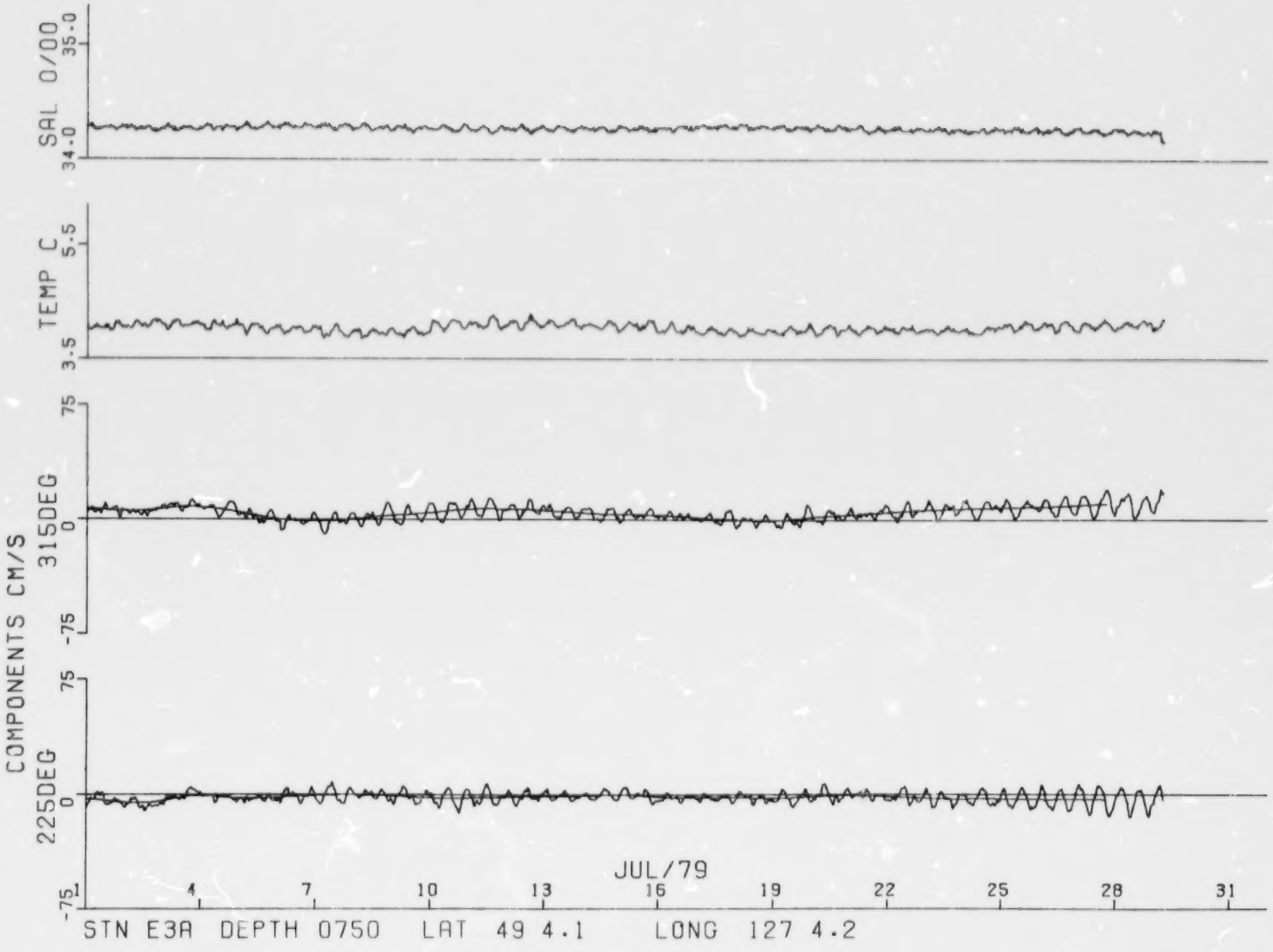
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0315M	8600	128/79	127

SCALE
100 KM


STATION E03
DEPTH 315 METRES
START OF RECORD 8/ 5/1979
DURATION 127 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
1
4
7
10
13
16
19
22
25
28
31
STN E3A DEPTH 0750 LAT 49 4.1 LONG 127 4.2


SAL 0/00
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
1
4
7
10
13
16
19
22
25
28
1
STN E3A DEPTH 0750 LAT 49 4.1 LONG 127 4.2


SAL 0/00
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN E3A DEPTH 0750 LAT 49 4.1 LONG 127 4.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E3A Depth 0750 ESTEVAN POINT 49 04.1 N 127 04.2 W Length of record= 81 Days
Start of record 0 mn 17 hr 9 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	048	119	047	006	001																					221
10- 19	055	088	041	003																						187
20- 29	047	073	012																							132
30- 39	044	042	006																							92
40- 49	038	018	001																							57
50- 59	028	028																								56
60- 69	026	024	001																							51
70- 79	035	028	001																							64
80- 89	043	020	002																							65
90- 99	041	029	002																							72
100-109	040	023	003																							66
110-119	044	030	010																							84
120-129	023	028	011	001																						63
130-139	023	019	008																							50
140-149	018	017	009																							44
150-159	024	028	006	002																						60
160-169	028	028	006																							62
170-179	024	022	006																							52
180-189	017	017	002																							36
190-199	021	017	002																							40
200-209	021	018	001																							40
210-219	025	015	002																							42
220-229	023	013																								36
230-239	027	014																								41
240-249	018	022																								40
250-259	025	027																								52
260-269	031	027	001																							59
270-279	017	036	003																							56
280-289	036	047	021	002																						106
290-299	045	079	052	007	001																					184
300-309	051	108	063	017																						239
310-319	055	122	093	041	001																					312
320-329	054	131	081	024	004																					294
330-339	047	144	078	024	003																					296
340-349	071	129	070	008	002																					280
350-359	048	115	067	005	001																					236
	1745		140		0		0		0		0		0		0		0		0		0		0		0	3867
	1261		708		13		0		0		0		0		0		0		0		0		0		0	

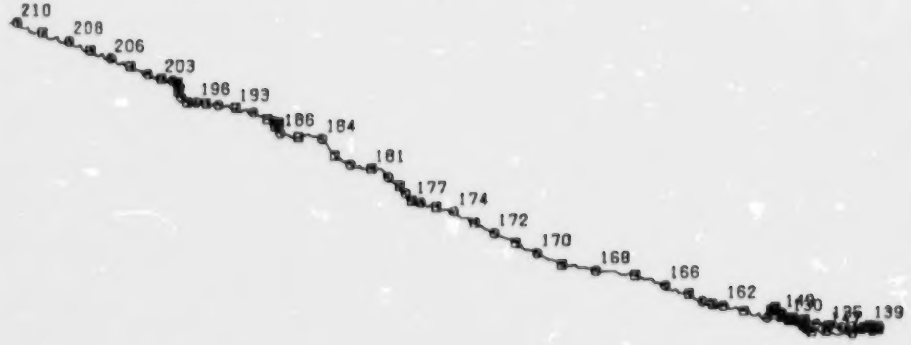
Number of zero rates: 0

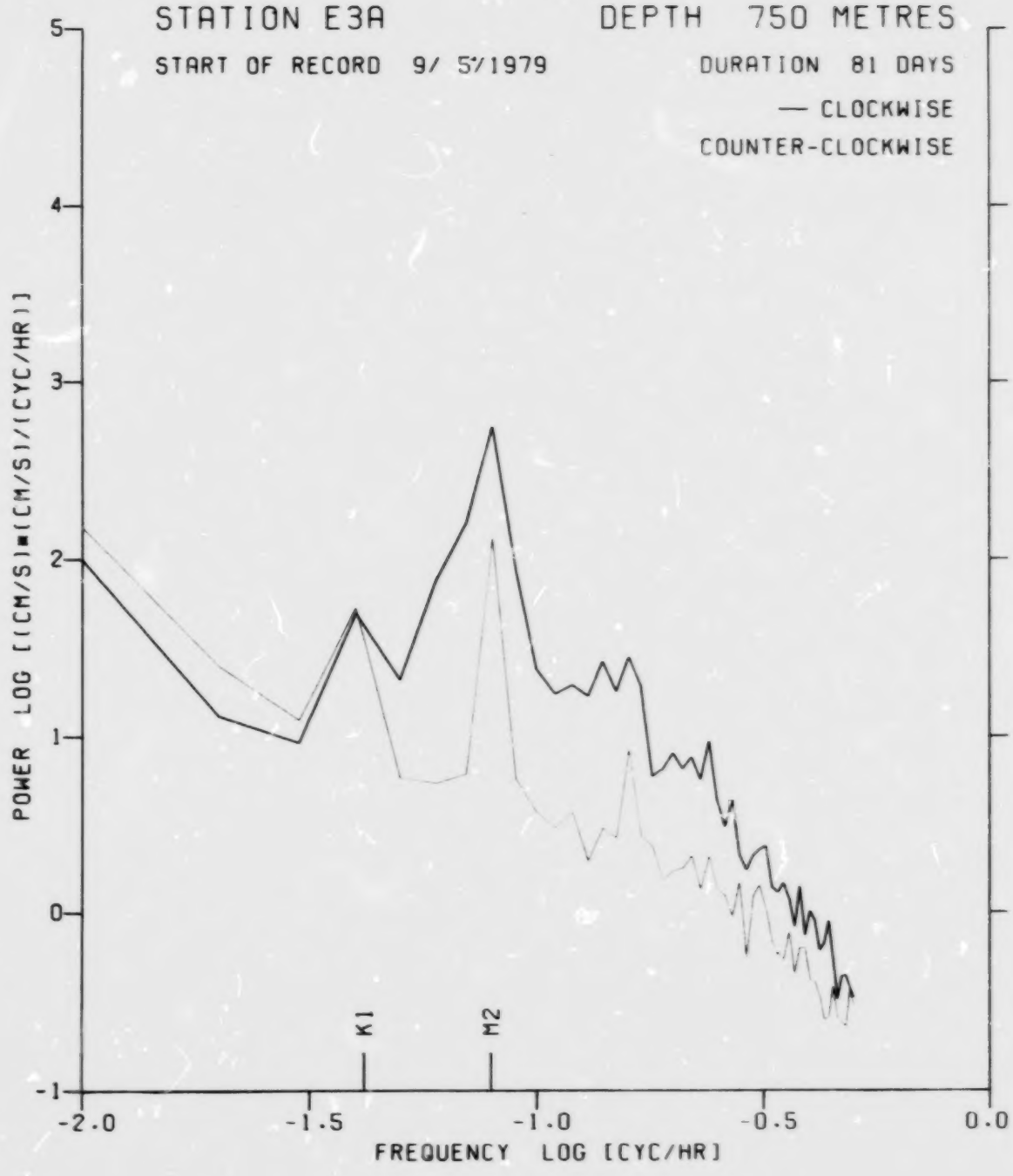
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

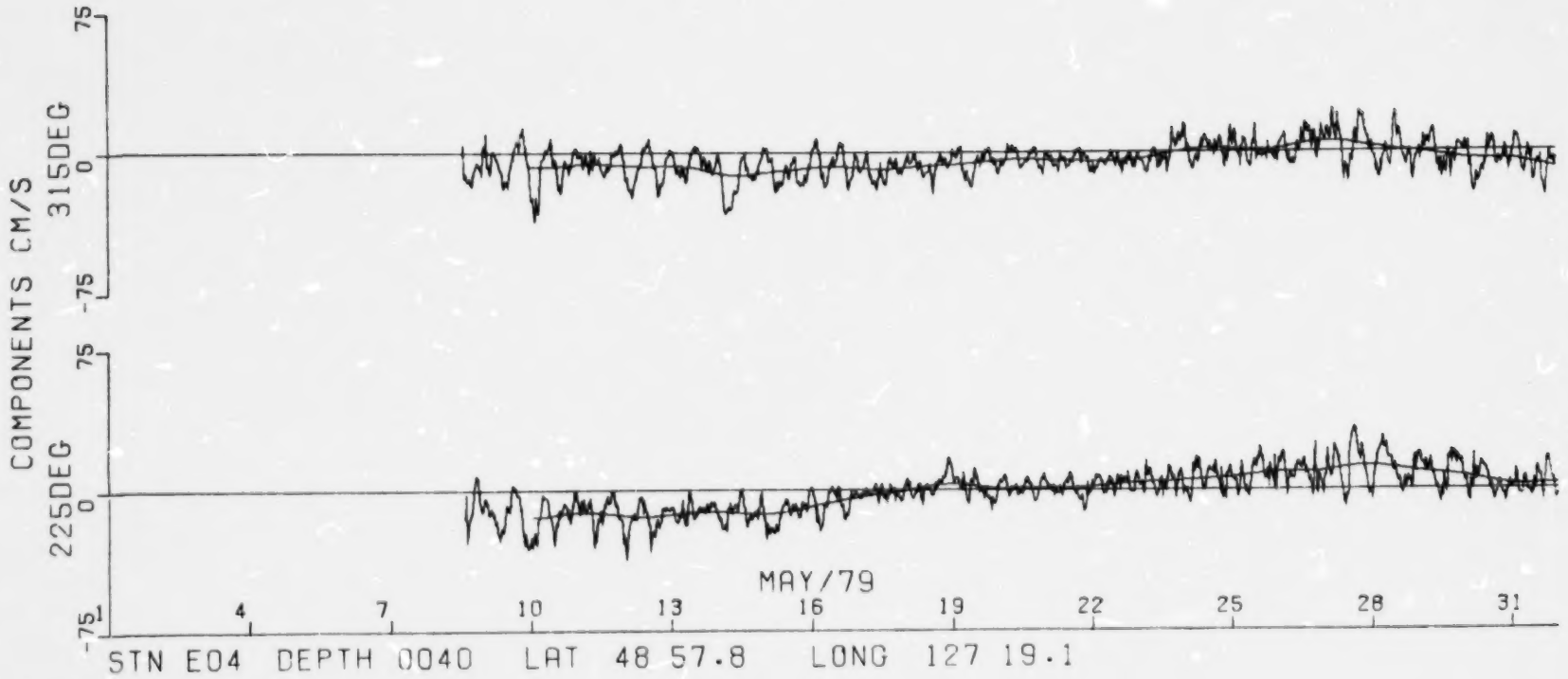
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

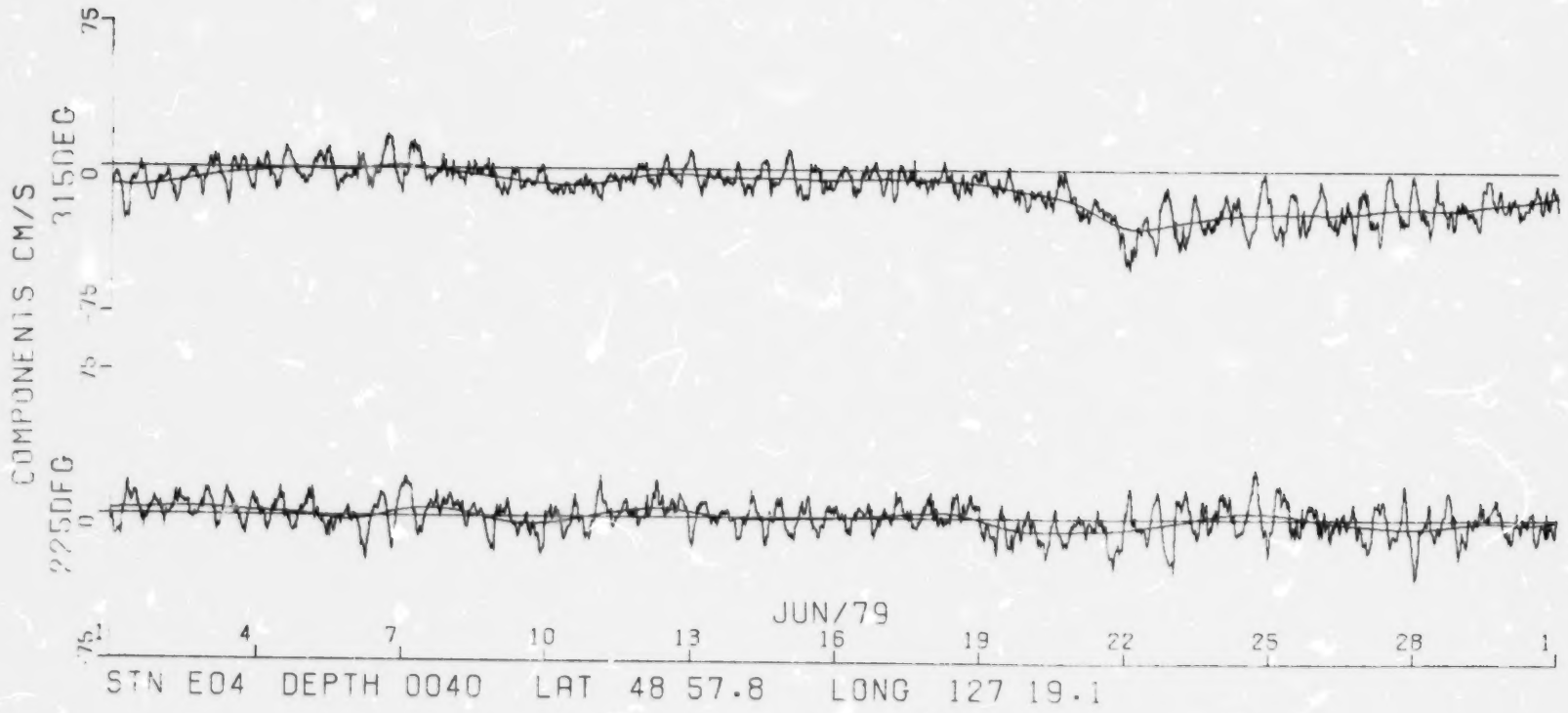
STN	DEPTH	AREA	DAY/YR	NO DAYS
E3A	0750M	8600	129/79	81

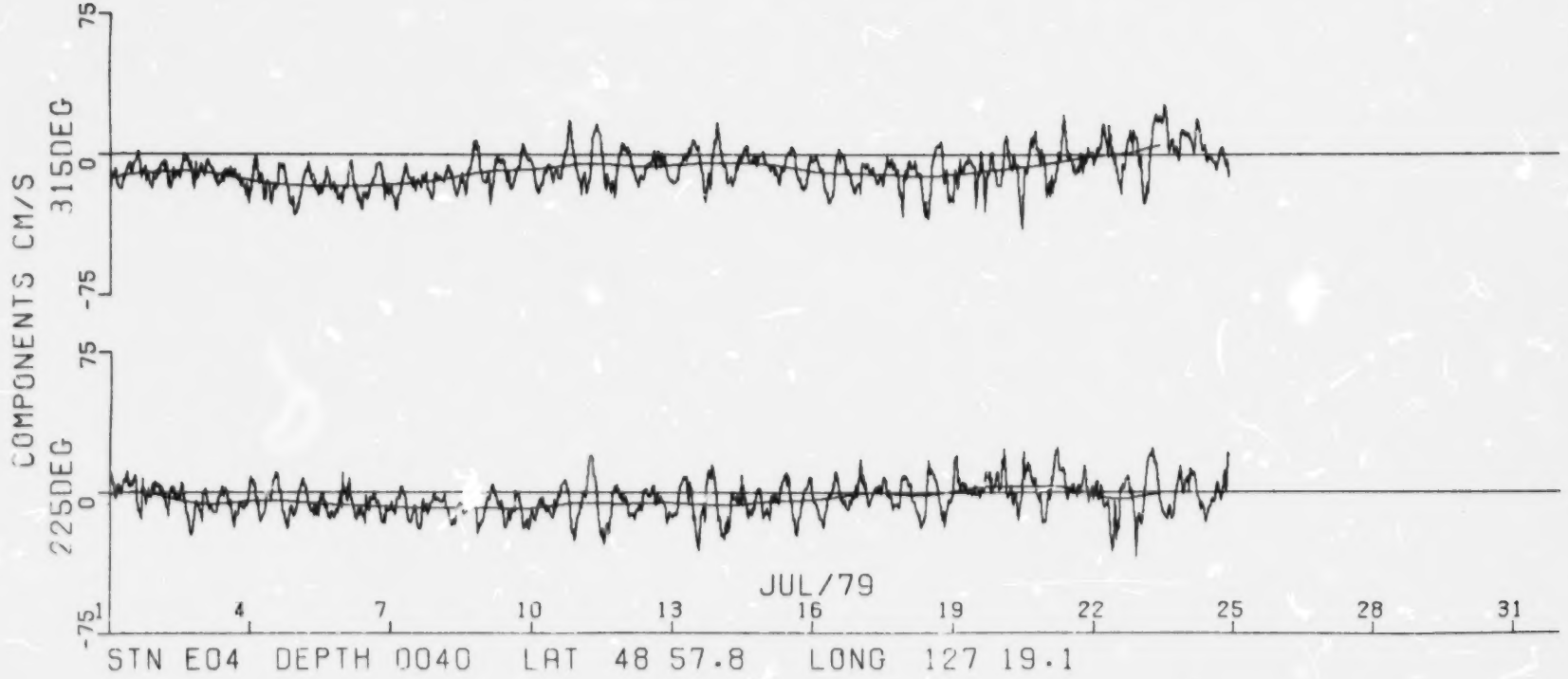
SCALE 100 KM




STATION E3A
DEPTH 750 METRES
START OF RECORD 9/ 5/1979
DURATION 81 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0040 LAT 48 57.8 LONG 127 19.1


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 0040 LAT 48 57.8 LONG 127 19.1


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0040 LAT 48 57.8 LONG 127 19.1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0040 ESTEVAN POINT 48 57.8 N 127 19.1 W Length of record= 77 Days
Start of record 30 mn 13 hr 8 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	007	012	006	002	001																					28
10- 19	007	013	007	005	002																					34
20- 29	011	022	009	009	006	003	001																			61
30- 39	019	018	018	013	004	004	003	001																		80
40- 49	010	021	021	019	011	004																				86
50- 59	016	026	025	012	018	003	004																			104
60- 69	016	026	034	022	009	006	003	001																		117
70- 79	014	032	039	034	020	006	002																			147
80- 89	014	031	054	042	025	008	004	003																		181
90- 99	014	041	041	058	033	011	007	002		002																209
100-109	012	041	052	057	038	015	008	004	001																	228
110-119	011	050	059	058	047	020	015	005	002																	267
120-129	021	059	056	049	046	029	022	001		002																285
130-139	016	053	045	036	034	028	010	007	001	002																232
140-149	013	047	050	044	019	016	007	009	006	002																213
150-159	031	052	042	026	014	008	009	008	003		001															194
160-169	024	050	042	026	014	004	008	003																		171
170-179	019	054	048	019	009	005	001	002																		157
180-189	017	063	038	013	007	003	001																			142
190-199	016	043	022	009	007	002																				99
200-209	011	034	026	013	005	001	001																			91
210-219	012	024	017	016	004	003	001																			77
220-229	009	023	014	010	004																					60
230-239	010	013	016	009	001	001	001																			51
240-249	007	014	009	010	007	002	002																			51
250-259	008	010	016	005	004	002																				45
260-269	004	008	012	005	003	002	002																			36
270-279	009	009	013	006	004	003																				44
280-289	010	008	012	007	002	002																				41
290-299	004	005	008	002	001																					20
300-309	006	017	006	005																						34
310-319	005	006	006	002																						19
320-329	008	007	005	002	002																					24
330-339	016	010	002	002																						30
340-349	002	004	005	005	003	002																				21
350-359	011	015	004	002	002																					34
	961		654		193		46		8		0		0		0		0		0		0		0		0	3713
	440		879		406		112		13		1		0		0		0		0		0		0		0	

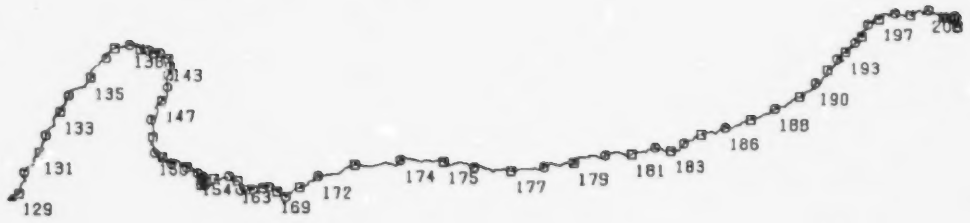
Number of zero rates: 0

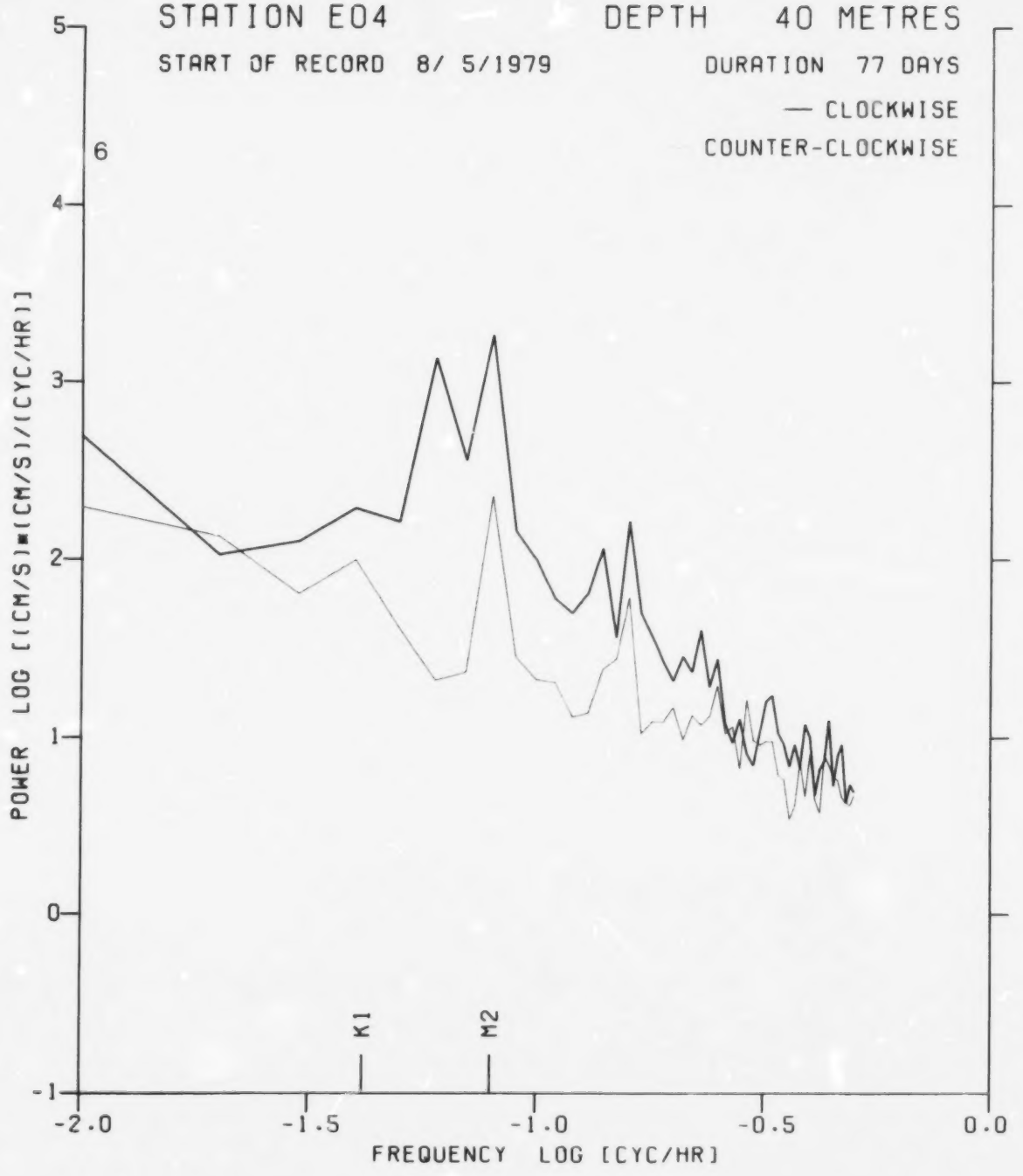
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

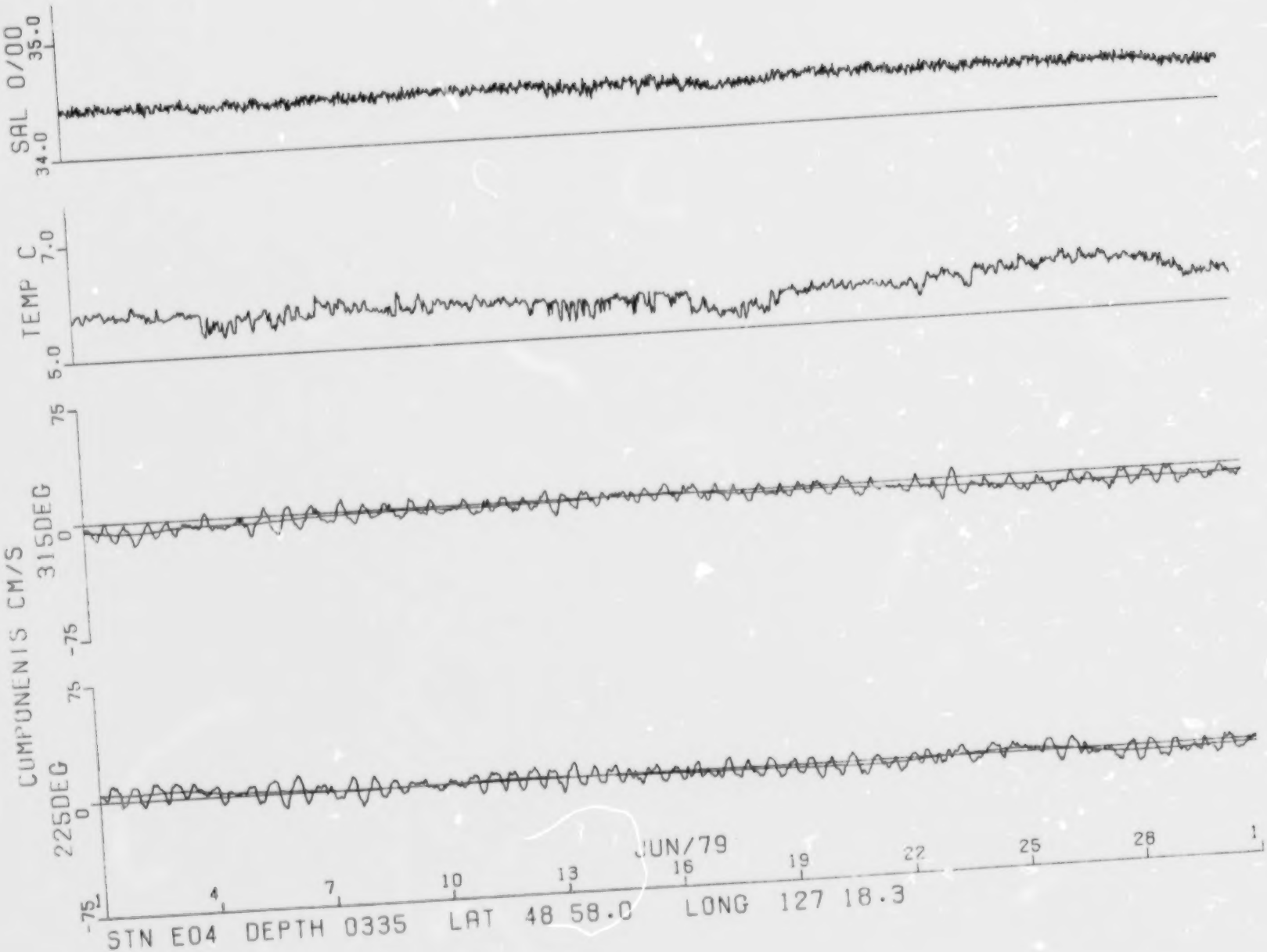
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0040M	8600	128/79	77

SCALE 100 KM



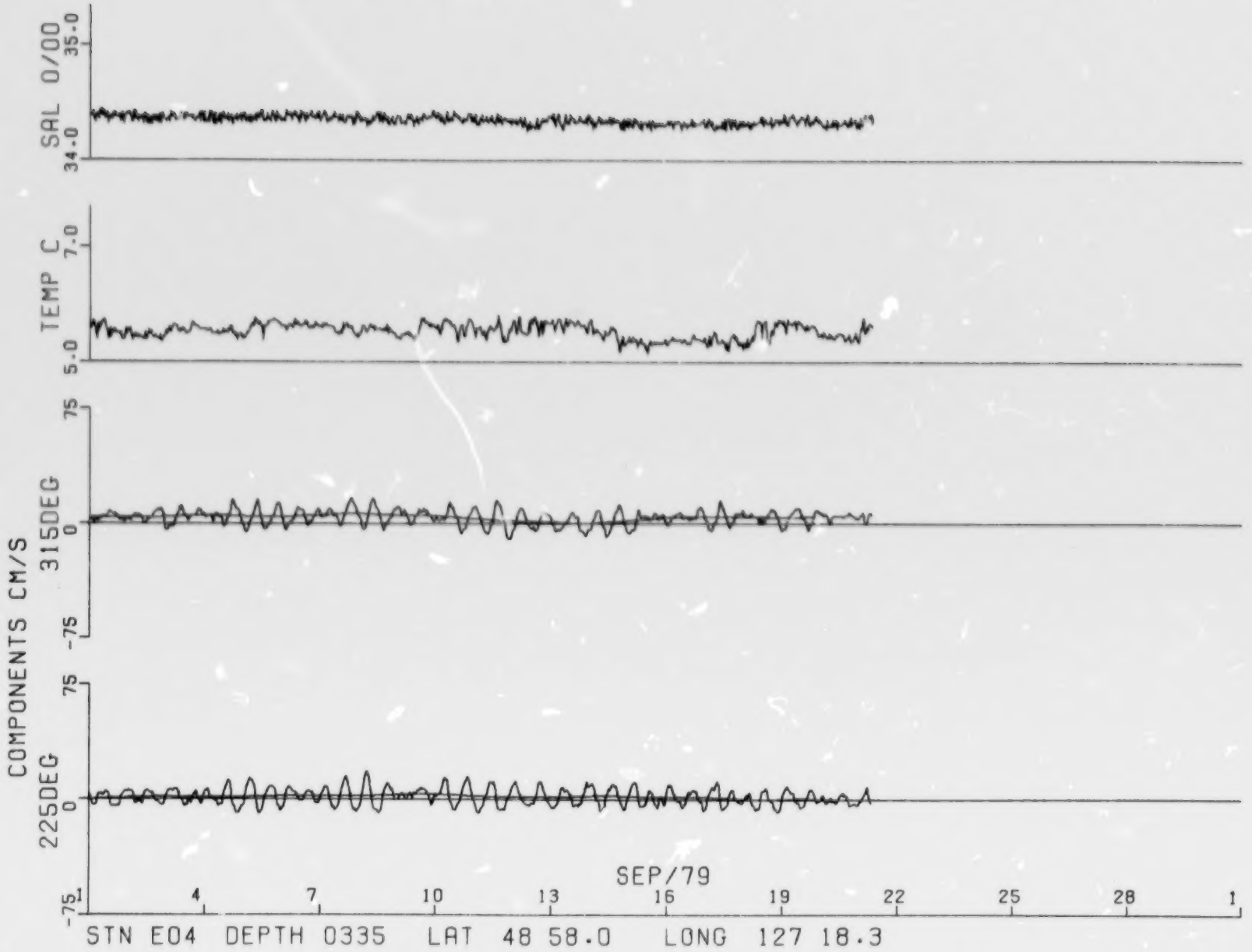

STATION E04
DEPTH 40 METRES
START OF RECORD 8/ 5/1979
DURATION 77 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
FREQUENCY LOG [CYC/HR]
K1
M2
5
6
4
3
2
1
0
-1
-2.0
-1.5
-1.0
-0.5
0.0

SAL O/OO
34.0
35.0
TEMP C
5.0
7.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
4
7
10
13
16
19
22
25
28
31
MAY/79
STN E04 DEPTH 0335 LAT 48 58.0 LONG 127 18.3


SAL 0/00
35.0
34.0
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
1
JUN/79
STN E04 DEPTH 0335 LAT 48 58.0 LONG 127 18.3

SAL 0/00
34.0
35.0
TEMP C
5.0
7.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
JUL/79
STN E04 DEPTH 0335 LAT 48 58.0 LONG 127 18.3

STN E04 DEPTH 0335 LAT 48 58.0 LONG 127 :8.3
AUG/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
5.0
7.0
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 0335 LAT 48 58.0 LONG 127 18.3

FREQUFNCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0335 ESTEVAN POINT 48 58.0 N 127 18.3 W Length of record=136 Days
Start of record 30 mn 14 hr 8 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	043	075	019	003																						140
10- 19	051	082	011																							144
20- 29	046	067	010	001																						124
30- 39	035	068	020	005																						128
40- 49	032	102	039	020	001																					194
50- 59	041	112	041	015																						209
60- 69	030	138	047	005																						220
70- 79	046	163	056	010																						275
80- 89	037	154	057	005																						253
90- 99	043	168	063	001																						275
100-109	050	151	058																							259
110-119	055	140	068	001																						264
120-129	052	126	068	001																						247
130-139	044	108	031	001																						184
140-149	038	118	031	008																						195
150-159	051	114	026	002																						193
160-169	052	090	021	001																						164
170-179	052	079	023	002																						156
180-189	037	087	017																							141
190-199	058	080	015																							153
200-209	047	093	009																							149
210-219	057	056	014	002																						129
220-229	045	081	022	001																						149
230-239	065	089	024	003																						181
240-249	057	118	046	014	003																					238
250-259	068	117	062	022	012																					281
260-269	054	116	033	006	001																					210
270-279	051	109	023	003																						186
280-289	047	085	012	003																						147
290-299	028	074	009	003																						114
300-309	029	071	010	003																						113
310-319	040	057	010	002																						109
320-329	039	094	013	002																						148
330-339	047	081	021	004																						153
340-349	033	078	017	002																						130
350-359	039	098	023																							160
	3639		151		0		0		0		0		0		0		0		0		0		0		0	6515
	1639	1069		17		0		0		0		0		0		0		0		0		0		0		

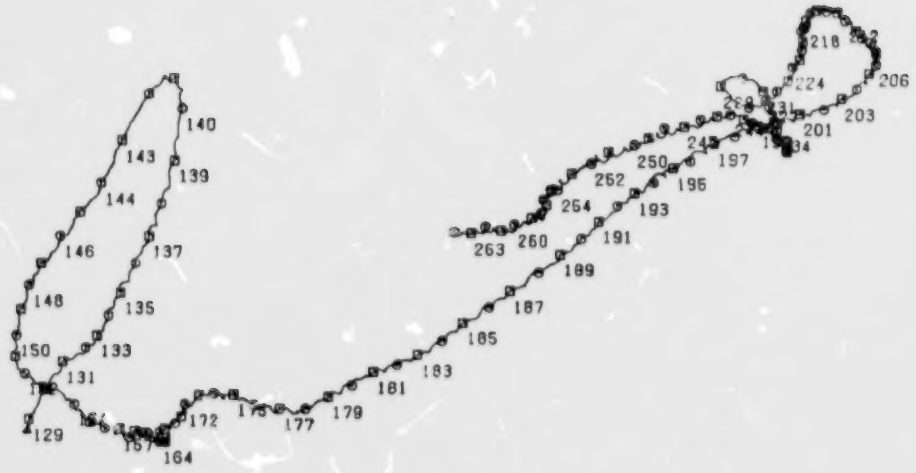
Number of zero rates: 0

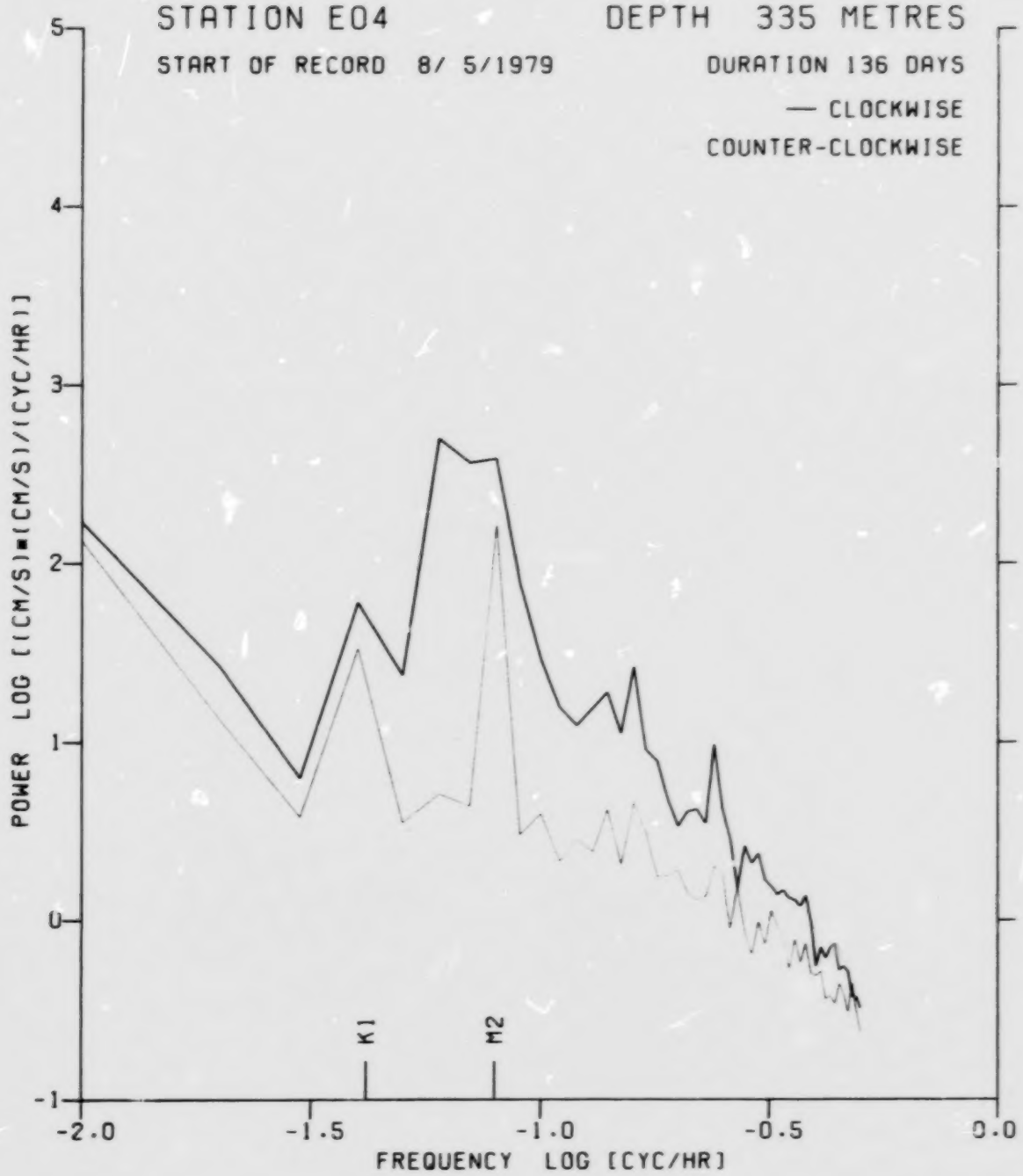
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

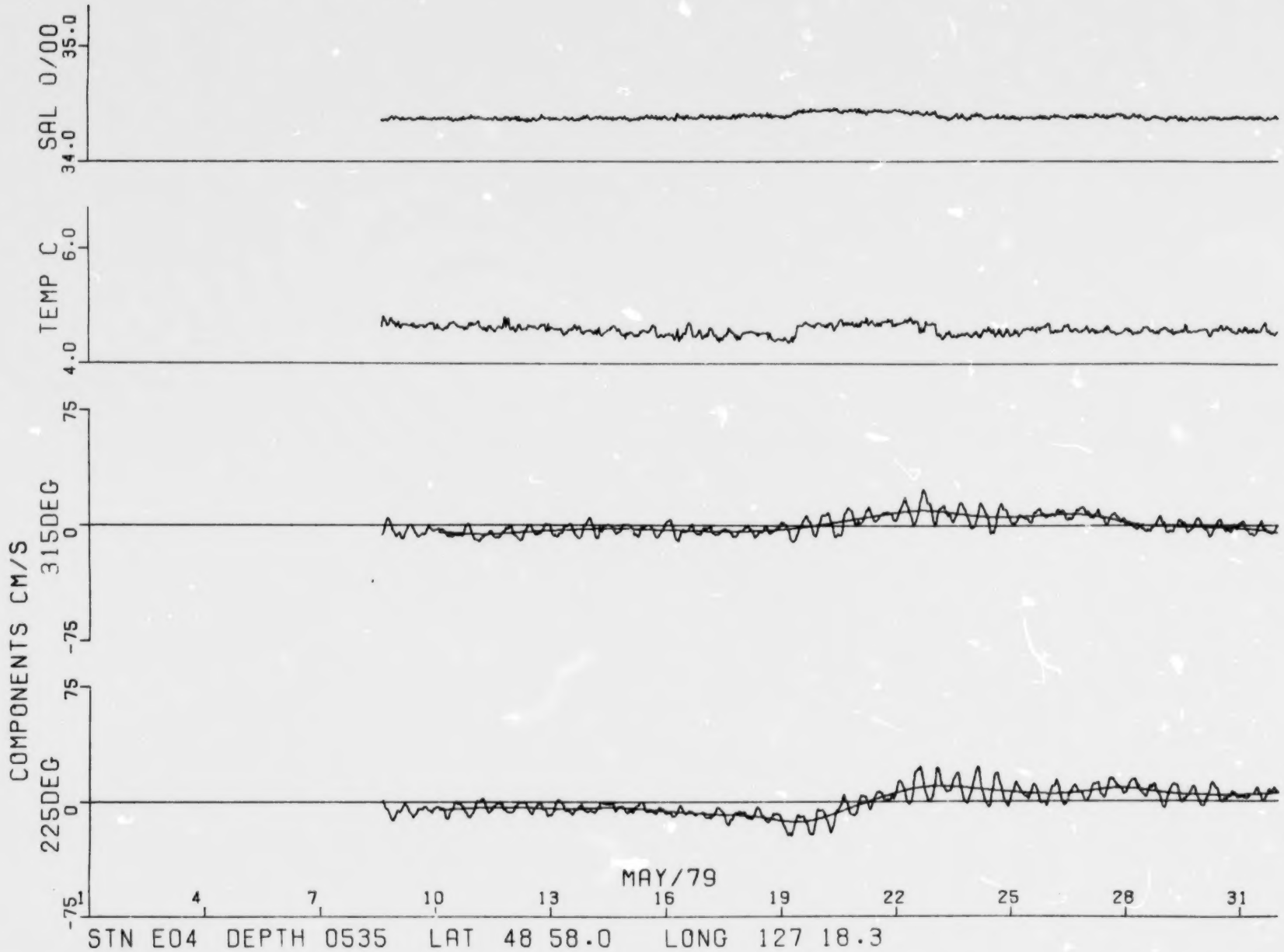
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

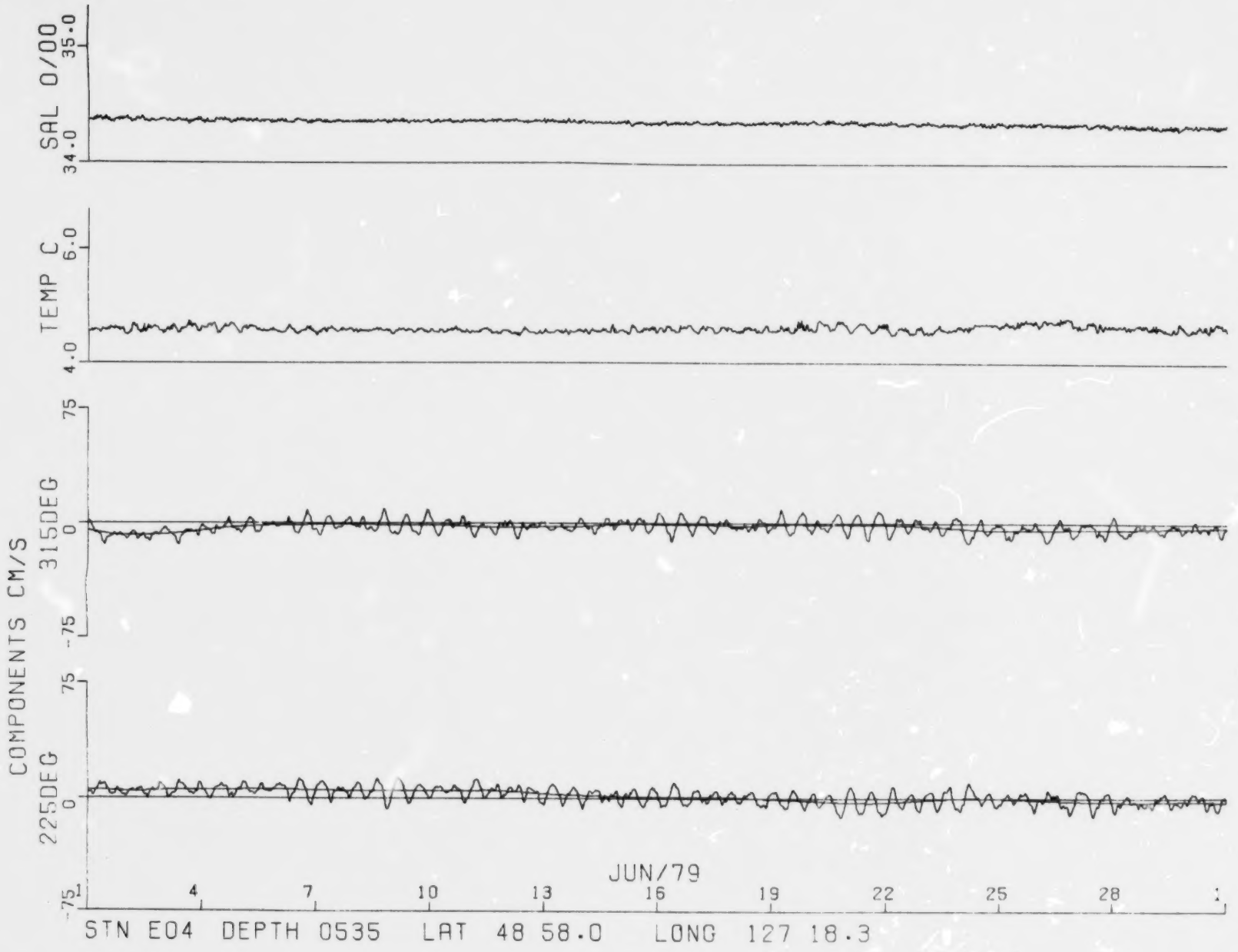
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0335M	8600	128/79	136

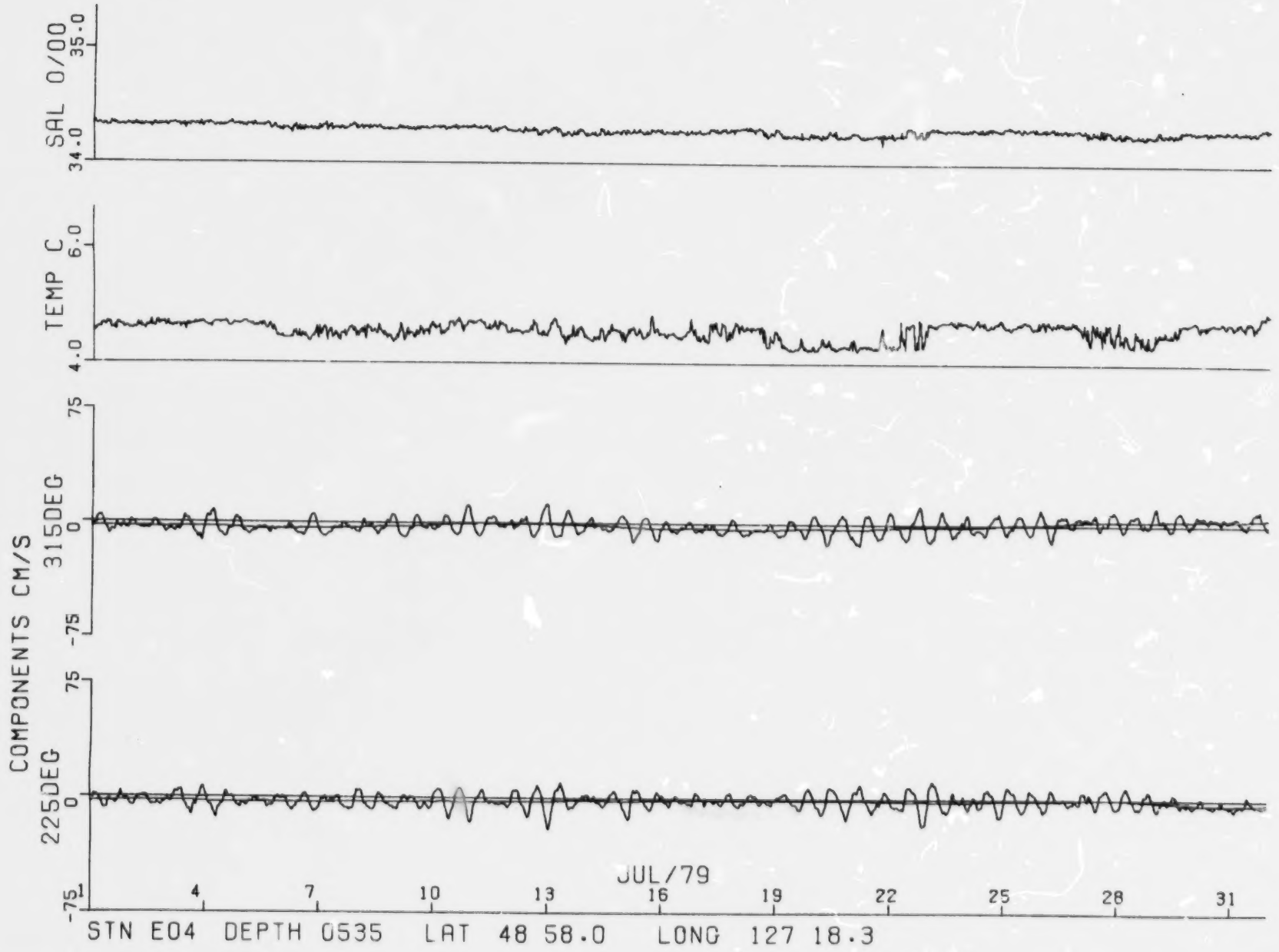
SCALE 50 KM

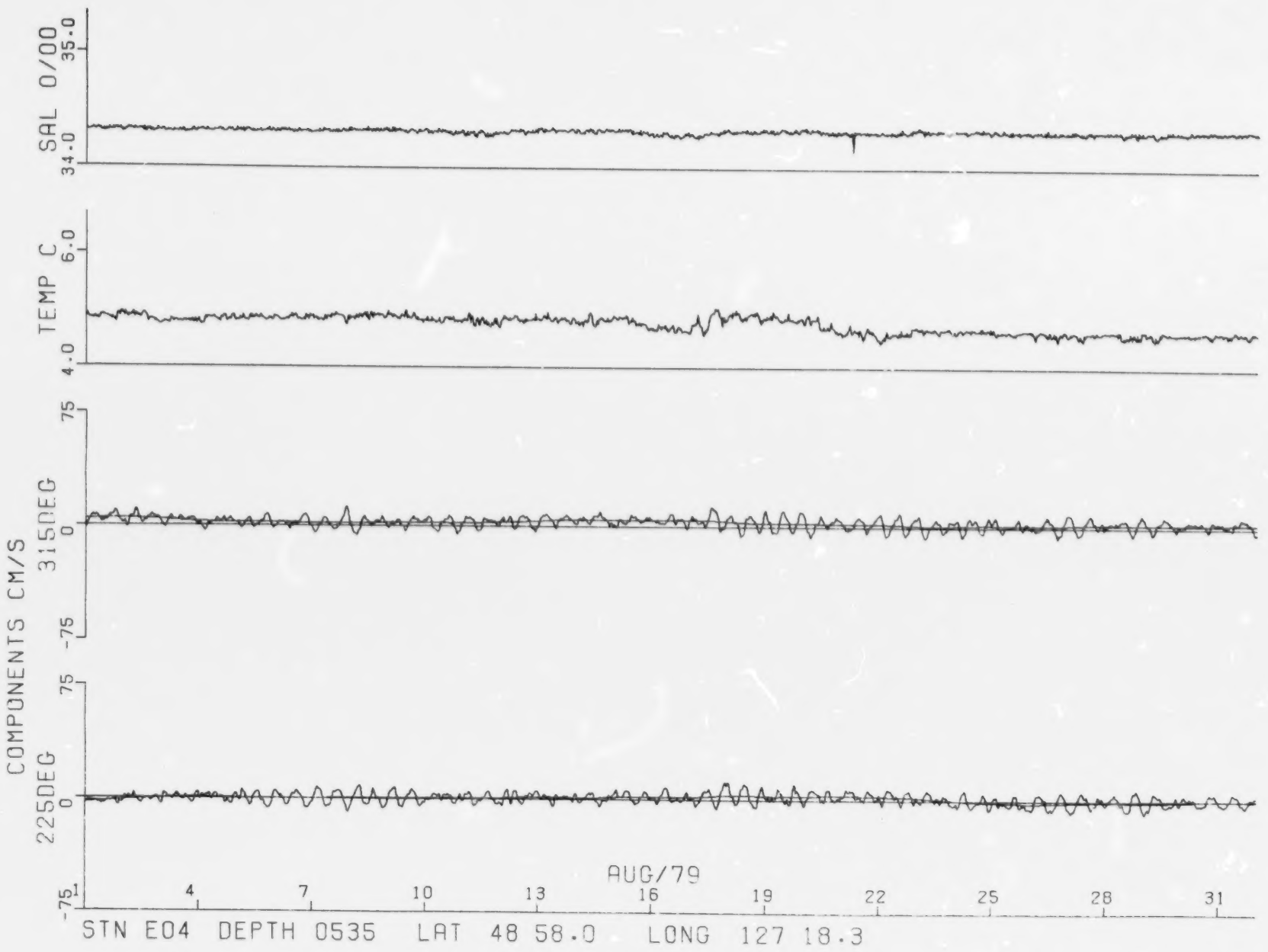


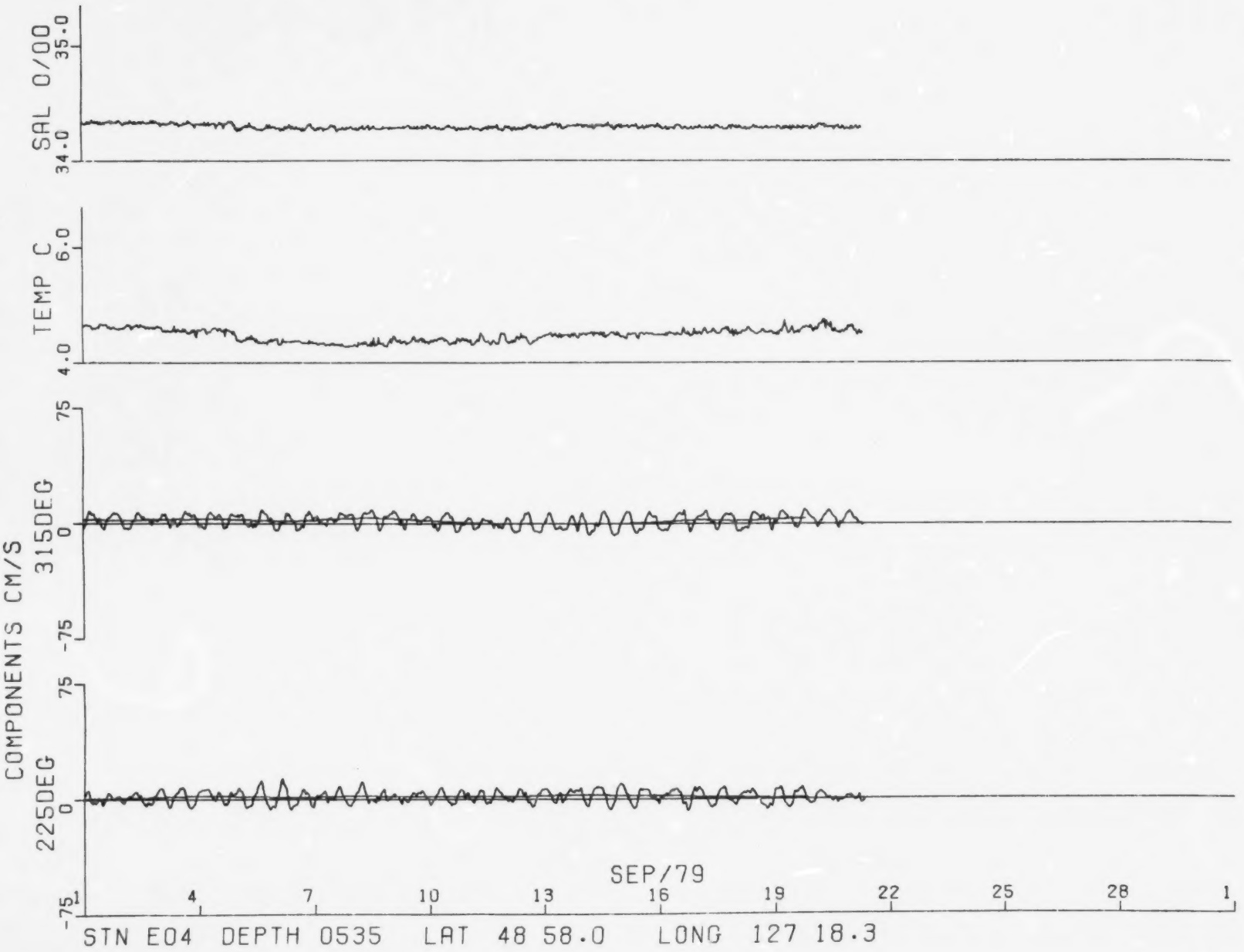

STATION E04
DEPTH 335 METRES
START OF RECORD 8/ 5/1979
DURATION 136 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
FREQUENCY LOG [CYC/HR]
K1
M2
5
4
3
2
1
0
-1
-2.0
-1.5
-1.0
-0.5
0.0


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0535 LAT 48 58.0 LONG 127 18.3


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
1
4
7
10
13
16
19
22
25
28
STN E04 DEPTH 0535 LAT 48 58.0 LONG 127 18.3


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0535 LAT 48 58.0 LONG 127 18.3


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0535 LAT 48 58.0 LONG 127 18.3


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 0535 LAT 48 58.0 LONG 127 18.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0535 ESTEVAN POINT 48 58.0 N 127 18.3 W Length of record=136 Days
Start of record 30 mn 14 hr 8 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	066	090	012	002																						170
10- 19	061	079	009	005																						154
20- 29	055	066	013	005	002																					141
30- 39	059	056	015	004	005																					139
40- 49	065	104	018	007	003																					197
50- 59	056	089	028	004	005																					182
60- 69	039	091	023	002	002																					157
70- 79	070	098	025	002	002																					197
80- 89	065	111	019	003																						198
90- 99	062	087	015																							164
100-109	042	106	014																							162
110-119	059	107	011																							177
120-129	060	078	006																							144
130-139	067	088	017																							172
140-149	054	073	015																							142
150-159	060	067	026																							153
160-169	058	096	020	001																						175
170-179	064	122	022	009																						217
180-189	059	110	038	001																						208
190-199	049	123	024	002																						198
200-209	063	101	038	001																						203
210-219	043	119	026	001																						189
220-229	065	103	017	006	001																					192
230-239	051	072	019	005	005																					152
240-249	068	089	009	006	005																					177
250-259	062	075	030	008	005	002																				182
260-269	064	093	014	009		001																				181
270-279	075	081	011	006	001	001																				175
280-289	074	097	014	009		002																				196
290-299	078	112	010	002	001																					203
300-309	080	132	016	002	002																					232
310-319	094	128	017	002																						241
320-329	066	120	010																							196
330-339	069	110	011																							190
340-349	065	098	008																							171
350-359	069	110	007	002																						188
	3481		106		6		0		0		0		0		0		0		0		0		0		0	6515
	2256		627		39		0		0		0		0		0		0		0		0		0		0	

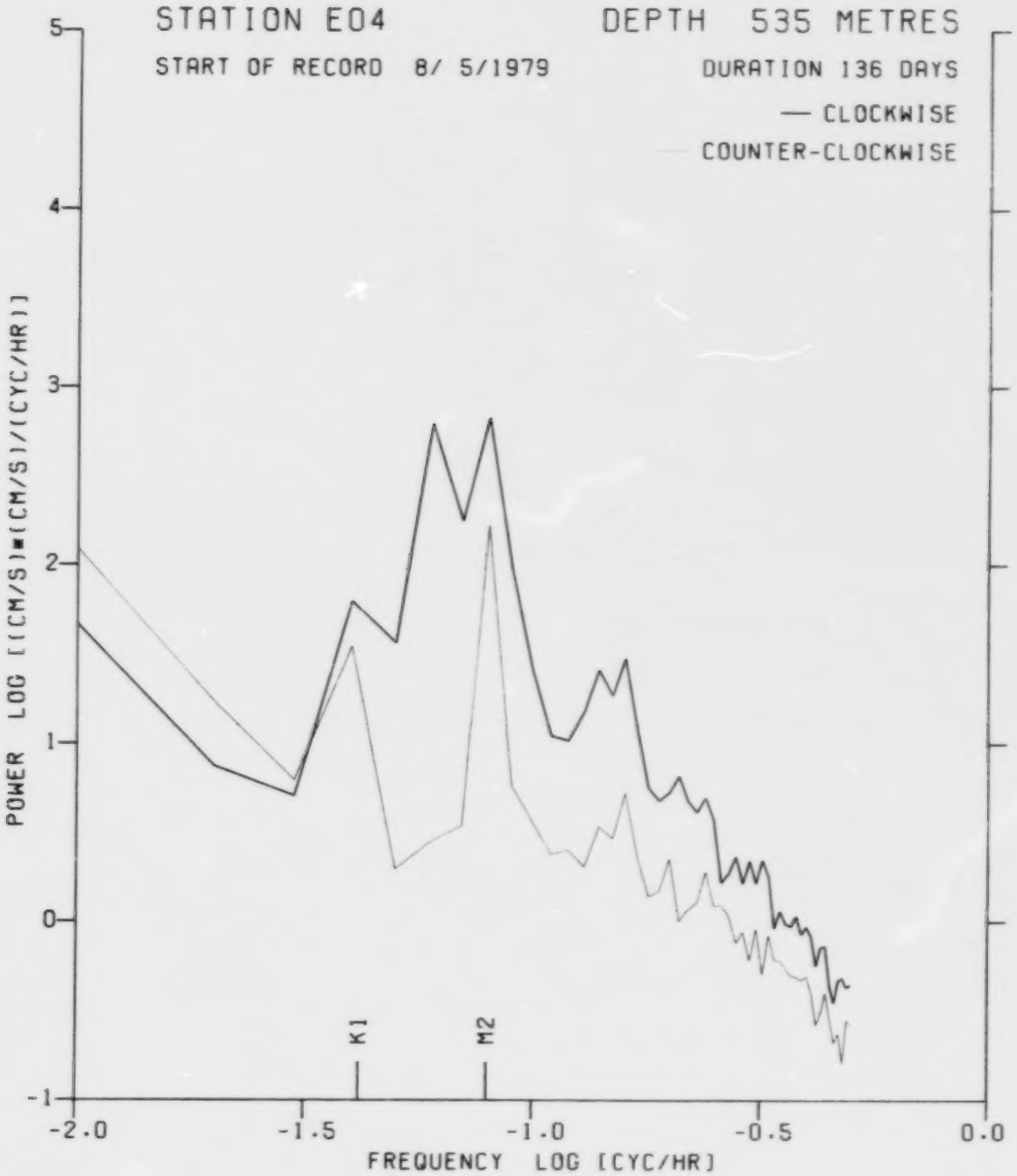
Number of zero rates: 0

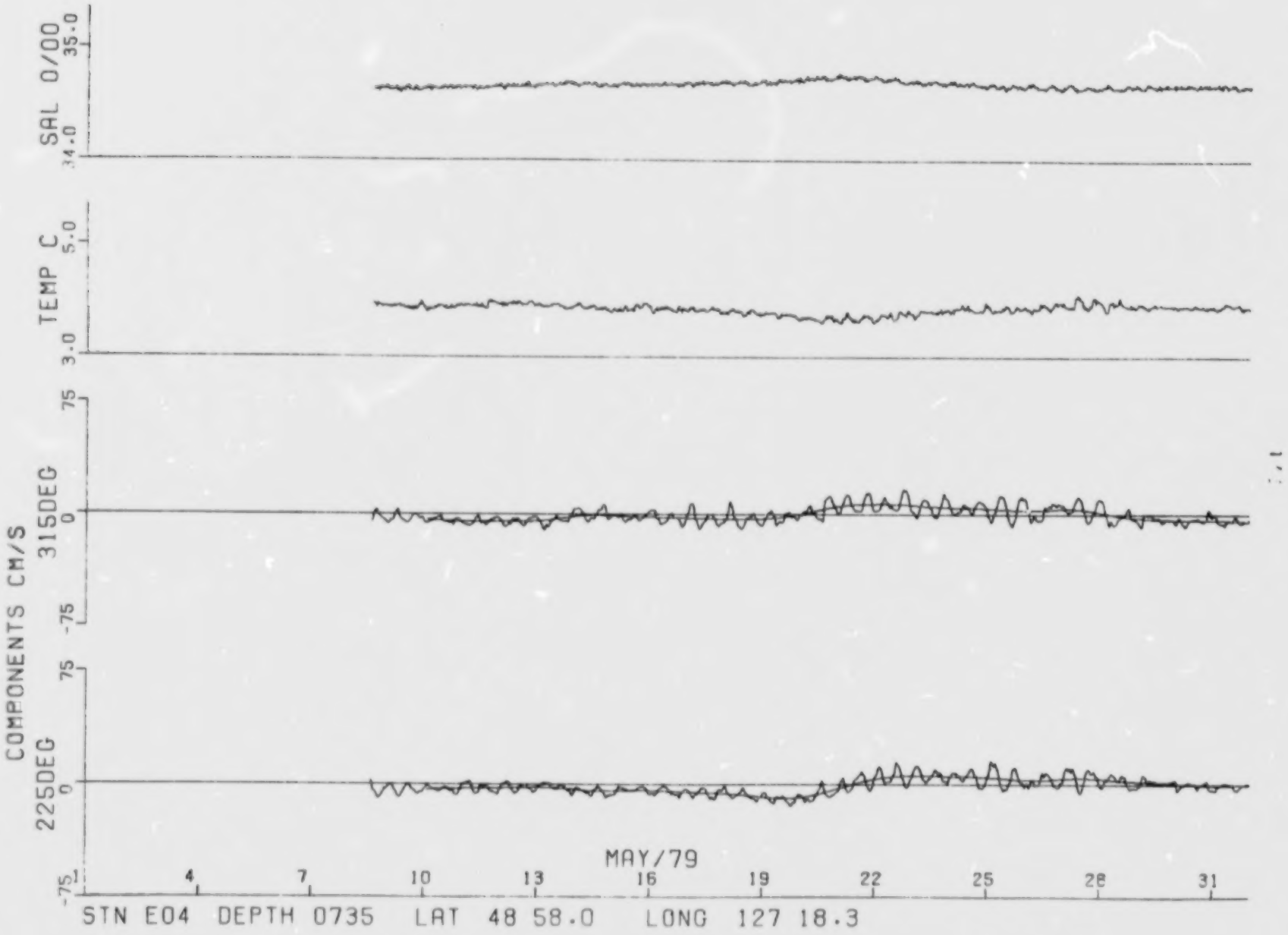
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

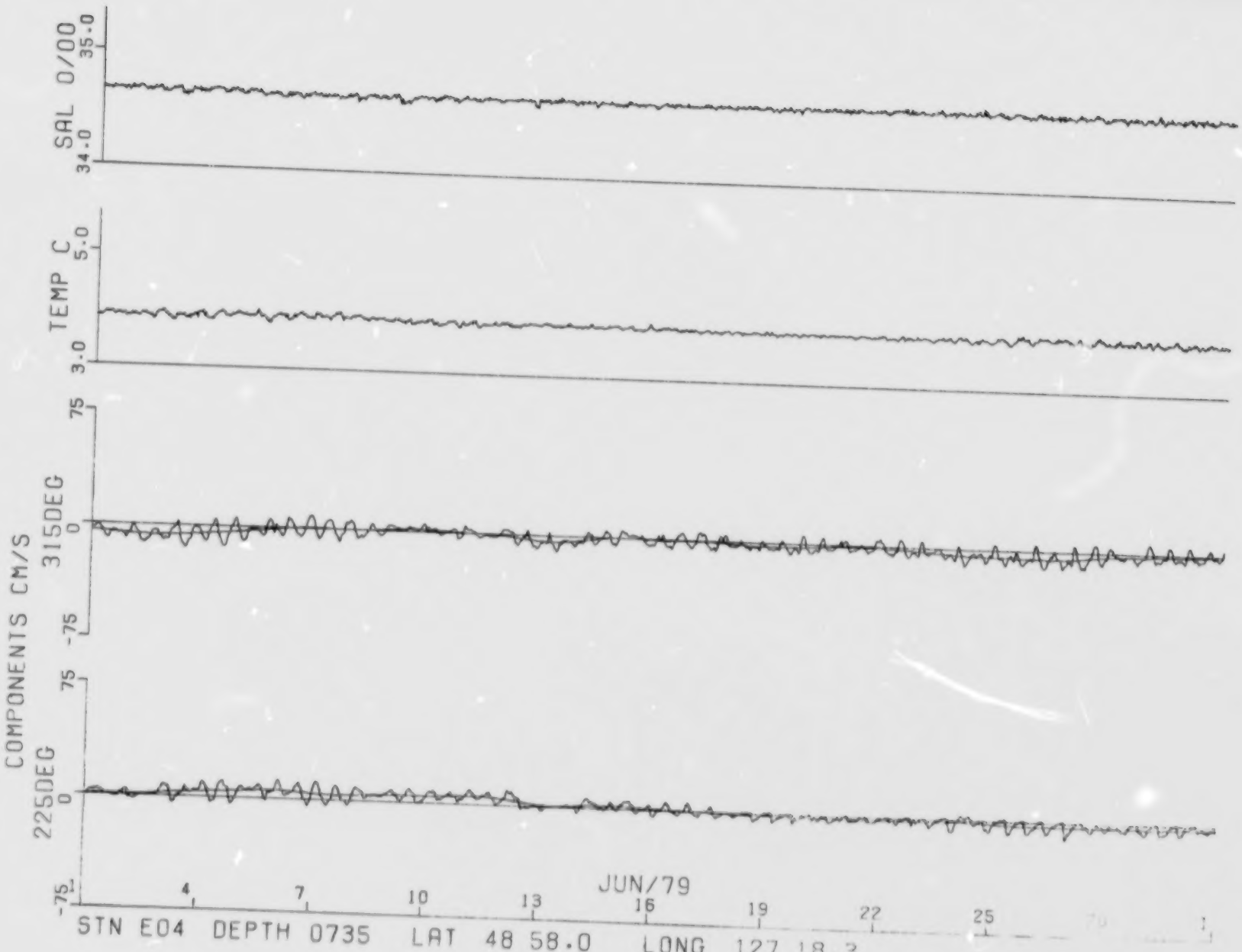
□ ODD NUMBERED DAYS
○ EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0535M	8600	128/79	136

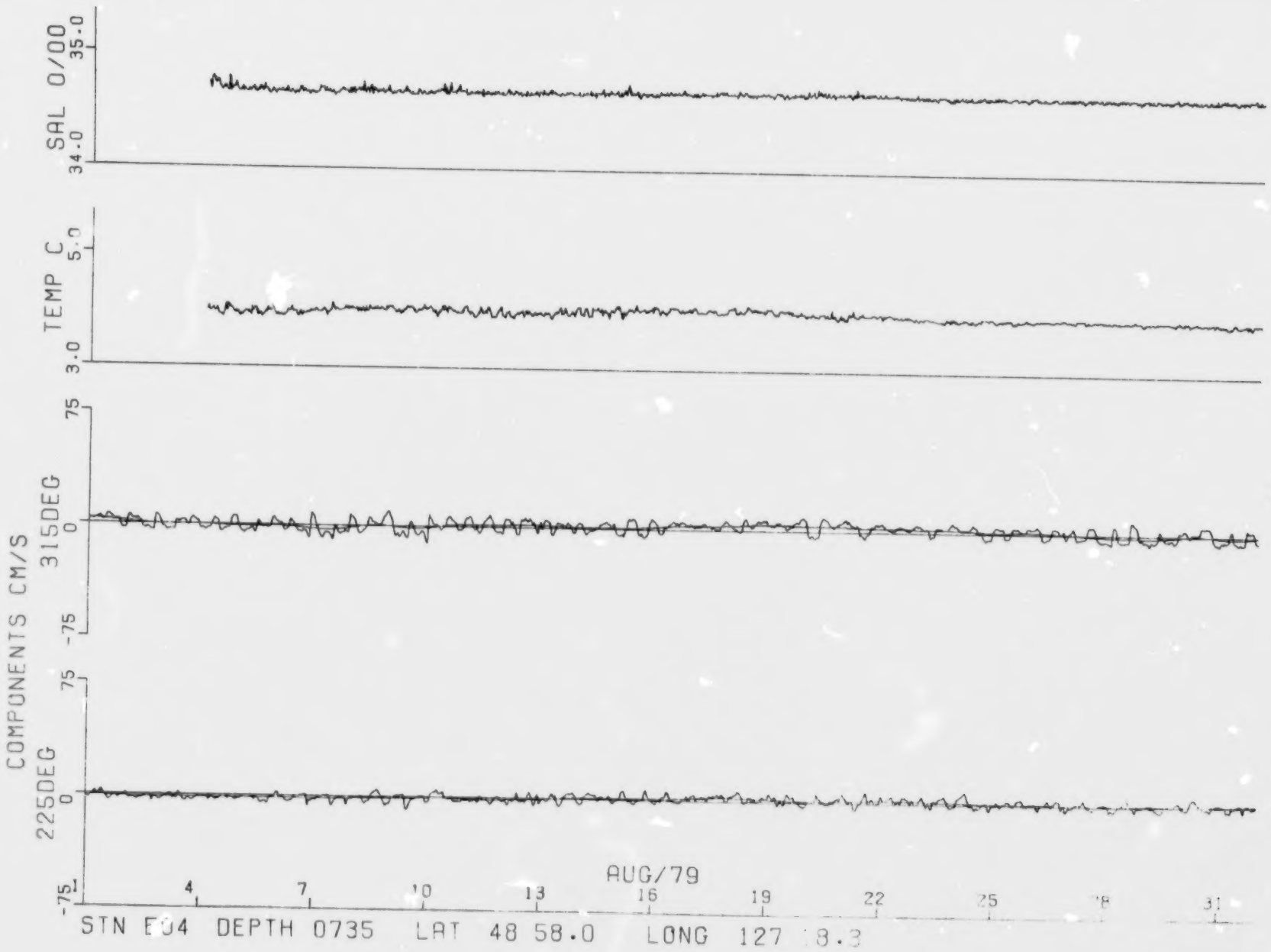
SCALE 100 KM


STATION E04
DEPTH 535 METRES
START OF RECORD 8/ 5/1979
DURATION 136 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0735 LAT 48 58.0 LONG 127 18.3


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
JUN/79
STN E04 DEPTH 0735 LAT 48 58.0 LONG 127 18.3

SAL 0/00
34.0
35.0
TEMP C
3.0
5.0
315DEG
225DEG
COMPONENTS CM/S
75
0
-75
4
7
10
13
16
19
22
25
28
31
JUL/79
STN E04 DEPTH 0735 LAT 48 58.0 LONG 127 18.3


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
31
AUG/79
STN E04 DEPTH 0735 LAT 48 58.0 LONG 127 18.3

STN E04 DEPTH 0735 LAT 48 58.0 LONG 127 18.3
SEP/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
34.0
35.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0735 ESTEVAN POINT 48 58.0 N 127 18.3 W Length of record=136 Days
Start of record 30 mn 14 hr 8 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	060	041	002																							103
10- 19	060	041	003																							104
20- 29	046	047	003																							96
30- 39	036	031	012																							79
40- 49	072	038	010																							120
50- 59	081	067	005																							153
60- 69	121	079	007																							207
70- 79	085	069	010																							164
80- 89	089	064	008																							161
90- 99	105	050	006																							161
100-109	106	067	007																							180
110-119	100	072	004																							176
120-129	218	162	014																							394
130-139	297	151	016																							464
140-149	288	191	006																							485
150-159	090	080	003																							173
160-169	060	062	004	001																						127
170-179	023	062	009																							94
180-189	042	077	003																							122
190-199	064	081	014																							159
200-209	067	082	014																							163
210-219	065	086	010	002																						163
220-229	060	045	007																							112
230-239	057	063	015	001																						136
240-249	092	089	010	001																						192
250-259	105	042	007																							154
260-269	078	042	006	003																						129
270-279	065	056	004	001																						126
280-289	084	060	011	001																						56
290-299	100	060	010	001																						171
300-309	104	071	015	002																						192
310-319	106	085	007	002																						200
320-329	142	097	009																							248
330-339	120	118	007																							245
340-349	122	088	015																							225
350-359	102	069	010																							181
	2685		15		0		0		0		0		0		0		0		0		0		0		0	
	3512		303		0		0		0		0		0								0					

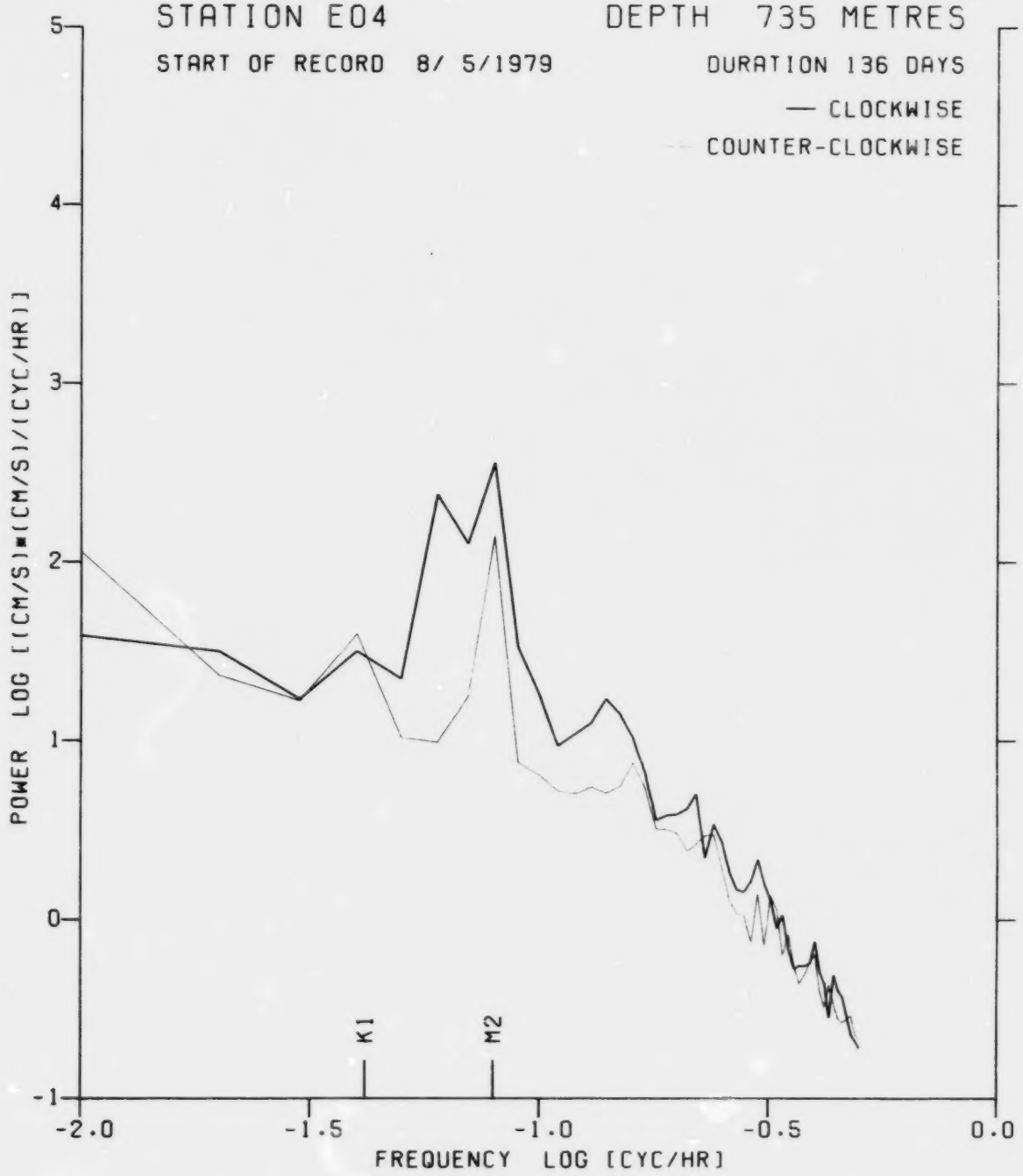
Number of zero rates: 0

ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

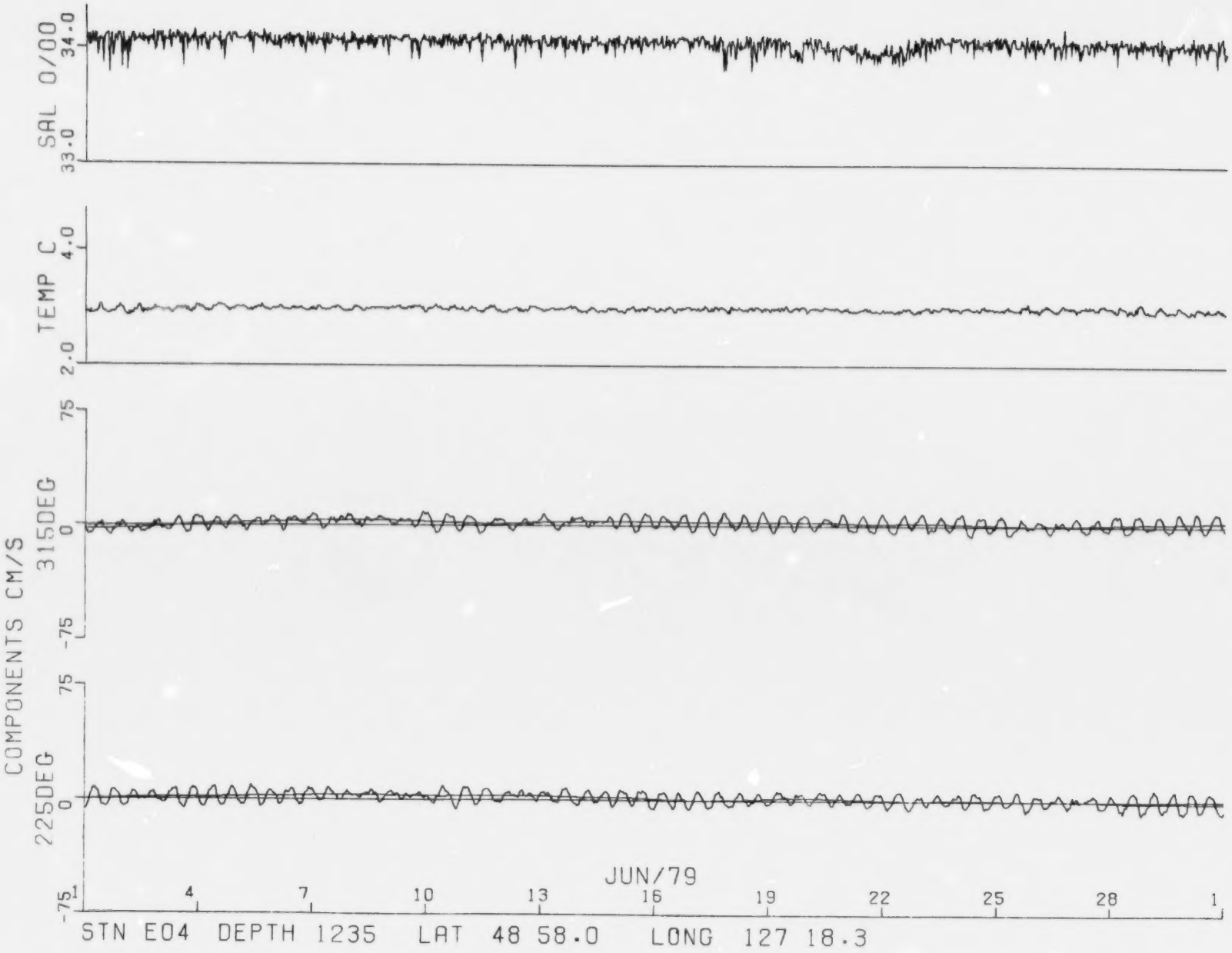
☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0735M	8600	128/79	136

SCALE 50 KM

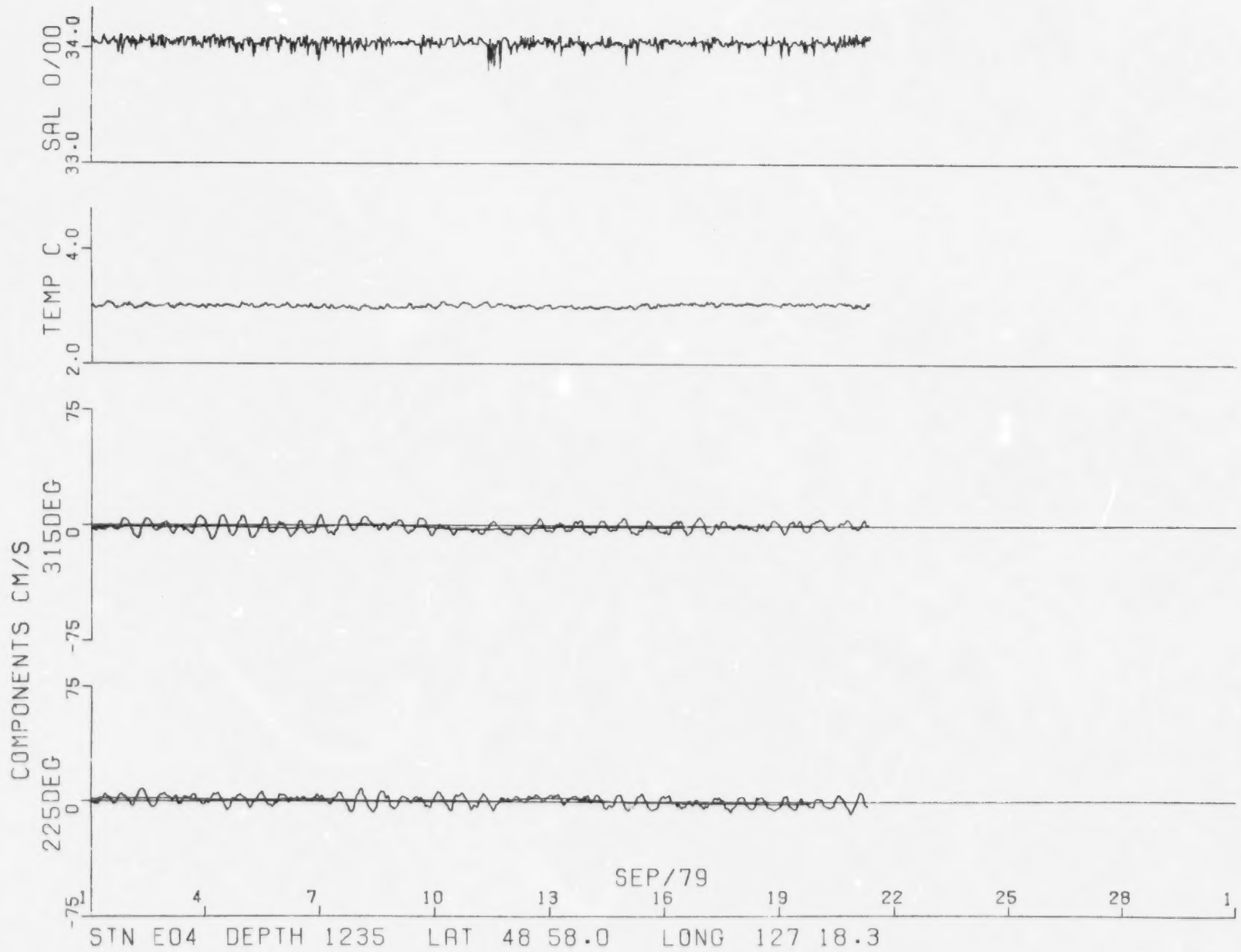

STATION E04
DEPTH 735 METRES
START OF RECORD 8/ 5/1979
DURATION 136 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E04 DEPTH 1235 LAT 48 58.0 LONG 127 18.3
MAY/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
2.0
4.0
33.0
34.0


SAL 0/00
34.0
33.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
1
JUN/79
STN E04 DEPTH 1235 LAT 48 58.0 LONG 127 18.3

STN E04 DEPTH 1235 LAT 48 58.0 LONG 127 18.3
JUL/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
2.0
4.0
33.0
34.0

SAL 0/00
33.0
34.0
TEMP C
2.0
4.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
1
4
7
10
13
16
19
22
25
28
31
AUG/79
STN E04 DEPTH 1235 LAT 48 58.0 LONG 127 18.3


SAL O/OO
34.0
33.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 1235 LAT 48 58.0 LONG 127 18.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 1235 ESTEVAN POINT 48 58.0 N 127 18.3 W Length of record=136 Days
Start of record 30 mn 14 hr 8 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	110	056																								166
10- 19	150	052																								202
20- 29	118	043																								161
30- 39	130	045																								175
40- 49	124	050																								174
50- 59	107	058																								165
60- 69	119	064																								183
70- 79	124	060	002																							186
80- 89	125	052																								177
90- 99	121	074	002																							197
100-109	123	086	001																							210
110-119	126	064																								190
120-129	101	039																								140
130-139	114	033																								147
140-149	075	033																								108
150-159	081	032																								113
160-169	067	031																								98
170-179	095	033																								128
180-189	060	020																								80
190-199	080	021																								101
200-209	089	028																								117
210-219	085	029																								114
220-229	086	039																								125
230-239	124	064																								188
240-249	118	087																								205
250-259	103	109	002																							214
260-269	124	135	001																							260
270-279	112	172	001																							285
280-289	147	170																								317
290-299	124	175																								299
300-309	122	137	002																							261
310-319	122	136	003																							261
320-329	106	091																								197
330-339	128	087																								215
340-349	120	073																								193
350-359	110	052																								162
	2530		0		0		0		0		0		0		0		0		0		0		0		0	6514
	3970		14		0		0		0		0		0		0		0		0		0		0		0	

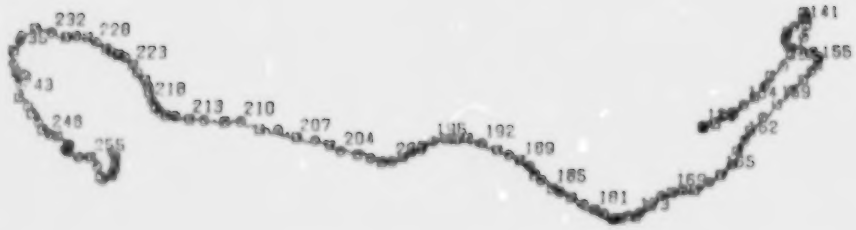
Number of zero rates: 0

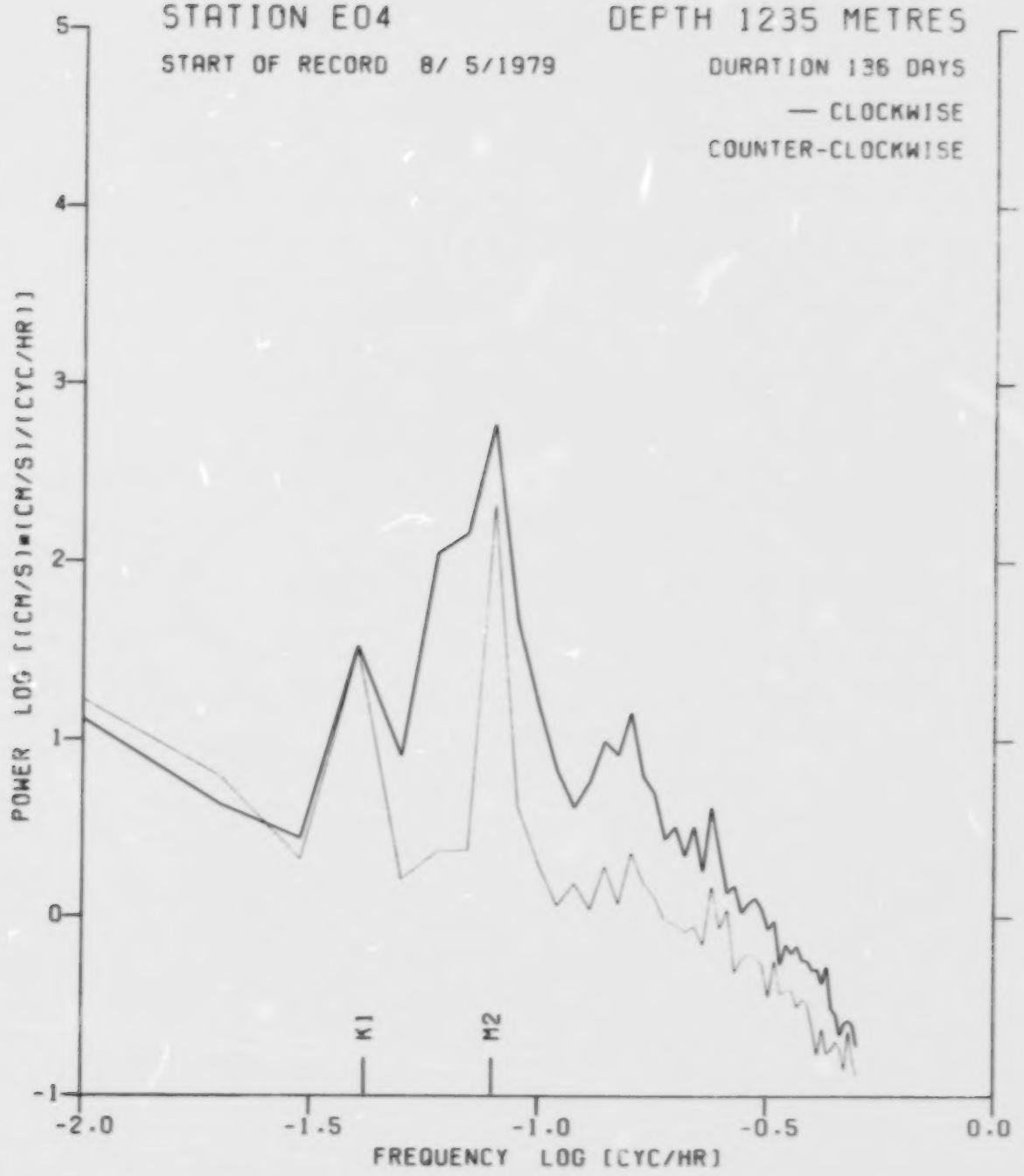
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

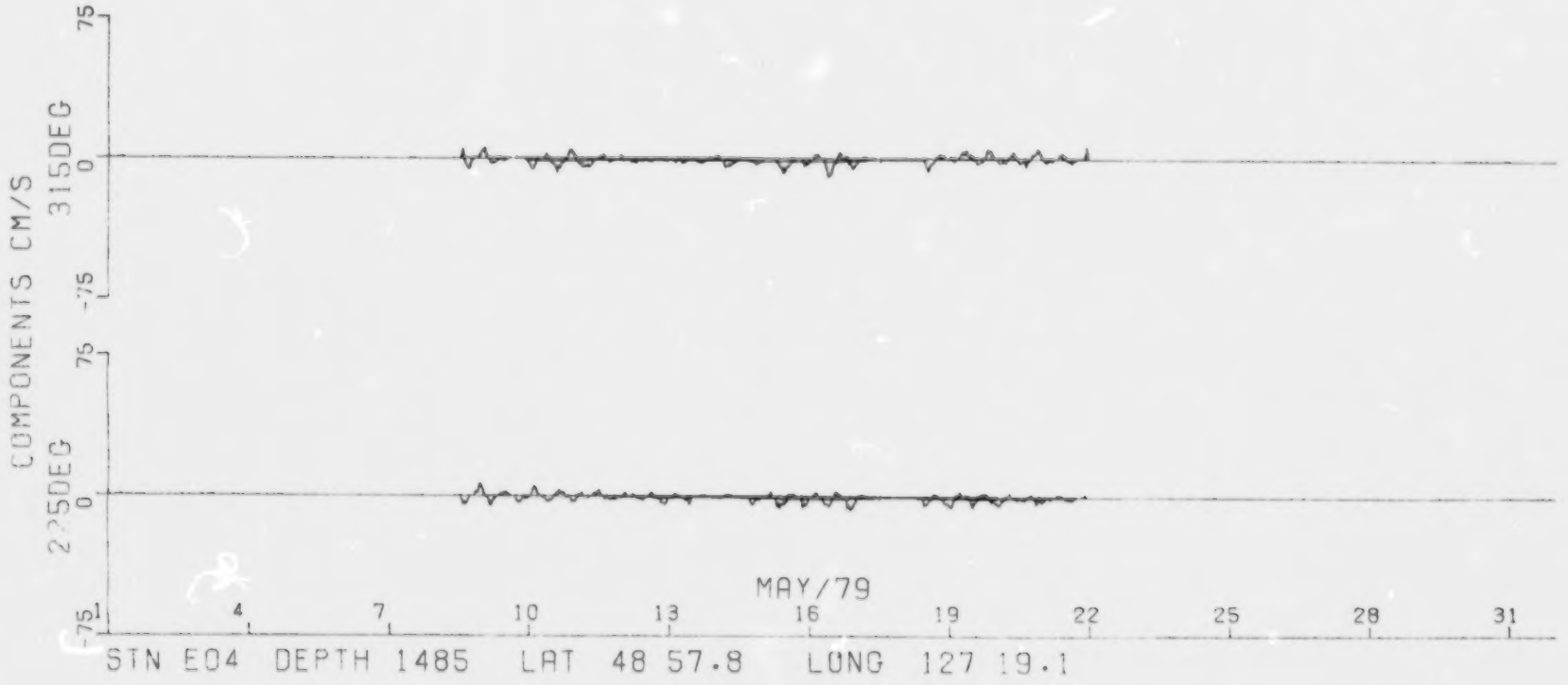
□ ODD NUMBERED DAYS
● EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	1235M	8600	128/79	136

SCALE 50 KM




STATION E04
DEPTH 1235 METRES
START OF RECORD 8/ 5/1979
DURATION 136 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1485 LAT 48 57.8 LONG 127 19.1

STN E04 DEPTH 1485 LAT 48 57.8 LONG 127 19.1
JUN/79
1
4
7
10
13
16
19
22
25
28
225DEG
315DEG
75
0
-75
COMPONENTS CM/S

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 1485 ESTEVAN POINT 48 57.8 N 127 19.1 W Length of record= 61 Days
Start of record 00 mn 12 hr 8 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	014																									14
10- 19	009																									9
20- 29	010																									10
30- 39	023																									23
40- 49	033																									33
50- 59	016	002																								18
60- 69	025	002																								27
70- 79	032	009																								41
80- 89	031	004																								35
90- 99	030	007																								37
100-109	020	008	001																							29
110-119	019	001	001																							21
120-129	024																									24
130-139	022																									22
140-149	019	003																								22
150-159	018																									18
160-169	011	002																								13
170-179	010	001																								11
180-189	013																									13
190-199	003	001																								4
200-209	009																									9
210-219	007																									7
220-229	010																									10
230-239	009	001																								10
240-249	008	002																								10
250-259	008	001																								9
260-269	010	003																								13
270-279	023	007																								30
280-289	020	002																								22
290-299	023	002																								25
300-309	015	005																								20
310-319	014	001																								15
320-329	008																									8
330-339	010	002																								12
340-349	014	001																								15
350-359	019																									19
	589	67	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	658

Number of zero rates: 2247

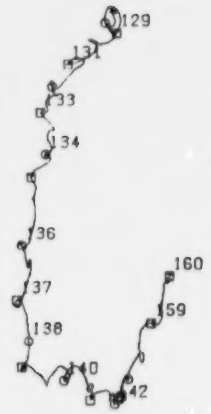
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

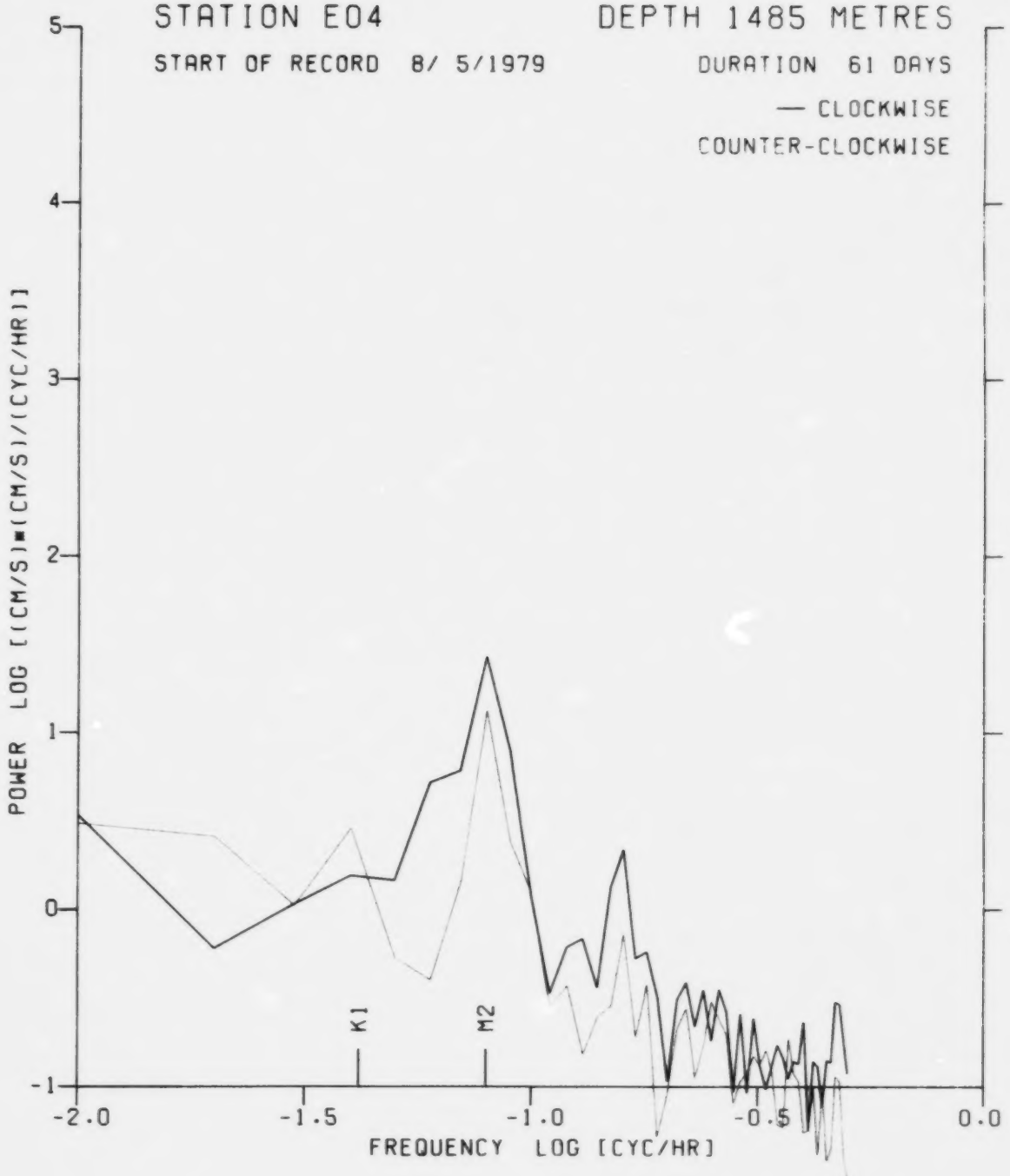
□ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

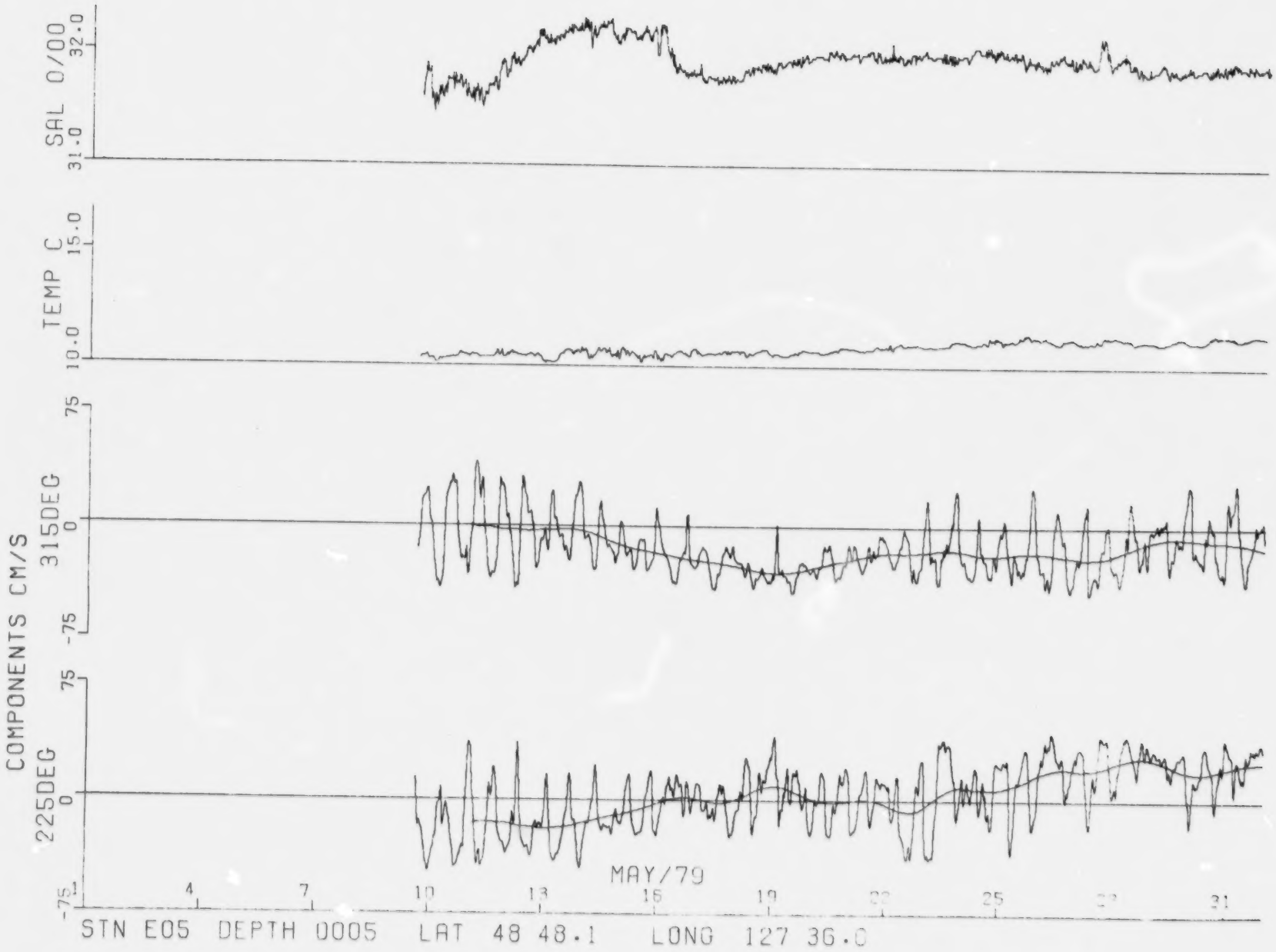
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	1485M	8600	128/79	61

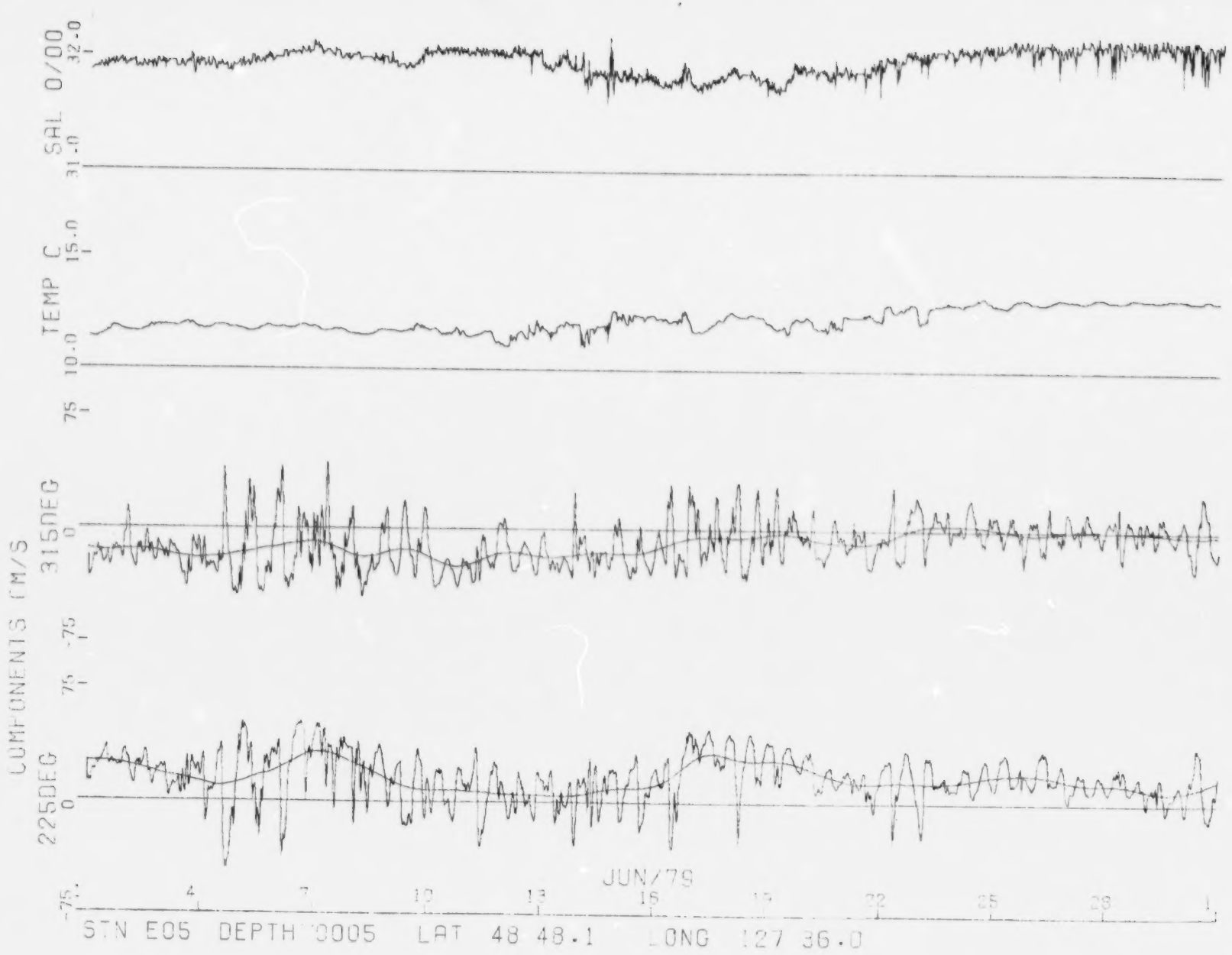
SCALE 5 KM

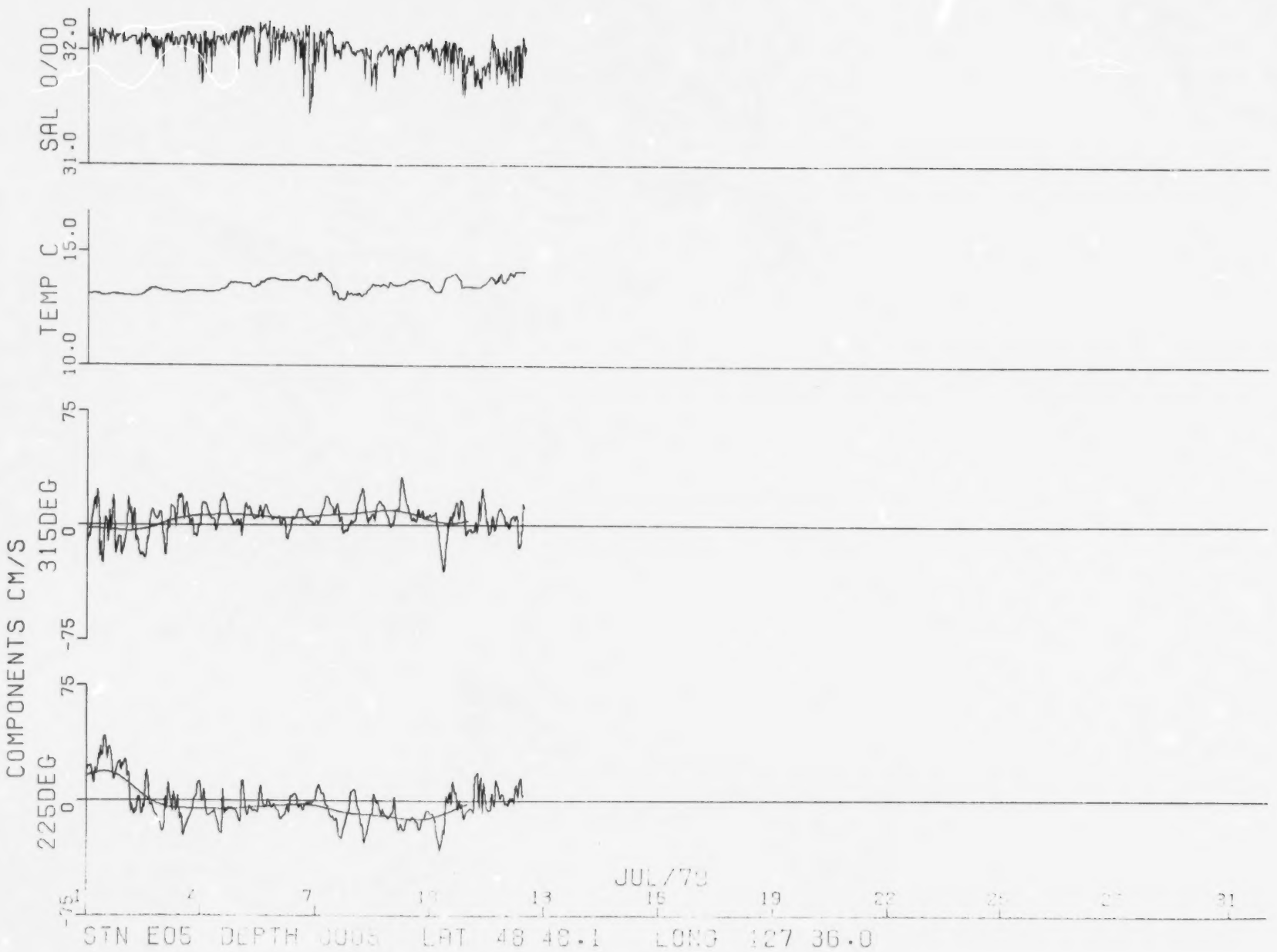
N




STATION E04
DEPTH 1485 METRES
START OF RECORD 8/ 5/1979
DURATION 61 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
32.0
31.0
TEMP C
15.0
10.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
1
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0005 LAT 48 48.1 LONG 127 36.0


SAL 0/00
32.0
31.0
TEMP C
15.0
10.0
75
COMPONENTS CM/S
315DEG
0
-75
75
225DEG
0
JUN/79
-75
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 0005 LAT 48 48.1 LONG 127 36.0


SAL 0/00
32.0
31.0
TEMP C
15.0
10.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
4
7
13
15
19
22
27
31
STN E05 DEPTH 0005 LAT 48 48.1 LONG 127 36.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn EØ5 Depth ØØØ5 ESTEVAN POINT 48 48.1 N 127 36.Ø W Length of record= 64 Days
Start of record Ø mn 12 hr 9 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	ØØ1 to ØØ4	ØØ5 to ØØ9	Ø1Ø to Ø14	Ø15 to Ø19	Ø2Ø to Ø24	Ø25 to Ø29	Ø3Ø to Ø34	Ø35 to Ø39	Ø4Ø to Ø44	Ø45 to Ø49	Ø5Ø to Ø54	Ø55 to Ø59	Ø6Ø to Ø64	Ø65 to Ø69	Ø7Ø to Ø74	Ø75 to Ø79	Ø8Ø to Ø84	Ø85 to Ø89	Ø9Ø to Ø94	Ø95 to Ø99	1ØØ to 1Ø4	1Ø5 to 1Ø9	11Ø to 114	115 to 119	12Ø to 124	
Ø- 9	ØØ2	Ø21	Ø14	ØØ8	ØØ7	ØØ5	ØØ3	ØØ2	ØØ5	ØØ2																69
1Ø- 19	ØØ2	Ø18	Ø18	ØØ8	ØØ7	ØØ1	ØØ5		ØØ3	ØØ4																66
2Ø- 29	ØØ2	Ø13	Ø17	ØØ8	ØØ2	ØØ3	ØØ6		ØØ2	ØØ1																54
3Ø- 39	ØØ1	ØØ4	Ø13	ØØ6	ØØ8		ØØ7	ØØ4	ØØ4																	47
4Ø- 49		ØØ8	ØØ6	ØØ3	ØØ6	ØØ1	ØØ2	ØØ5	ØØ8	ØØ3																42
5Ø- 59		ØØ2	ØØ1	ØØ3	ØØ8	ØØ3	ØØ6	ØØ6	ØØ3																	35
6Ø- 69	ØØ4	ØØ3	ØØ4	ØØ4	Ø14	ØØ2	ØØ5	ØØ4	ØØ4	ØØ2																46
7Ø- 79	ØØ1	Ø12	ØØ1	ØØ8	Ø1Ø	ØØ7	ØØ5	ØØ3	Ø18	ØØ2																67
8Ø- 89	ØØ2	ØØ5	ØØ4	ØØ5	Ø17	ØØ8	ØØ6	ØØ7	ØØ4	ØØ2																6Ø
9Ø- 99	ØØ2	ØØ3	ØØ1	ØØ4	Ø1Ø	Ø1Ø	ØØ7	ØØ8	ØØ4	ØØ2																51
1ØØ-1Ø9		ØØ2	ØØ4	ØØ6	Ø17	Ø14	ØØ8	ØØ9	Ø1Ø	ØØ1																71
11Ø-119		ØØ2	ØØ2	Ø15	Ø17	Ø17	Ø13	Ø1Ø	Ø1Ø																	86
12Ø-129	ØØ1		ØØ3	Ø1Ø	Ø22	Ø18	Ø14	ØØ5	Ø14																	87
13Ø-139	ØØ1	ØØ3	ØØ3	ØØ8	Ø16	Ø3Ø	Ø22	ØØ7	ØØ7																	97
14Ø-149	ØØ1		ØØ1	Ø14	Ø22	Ø4Ø	Ø24	Ø17	Ø1Ø	ØØ2																131
15Ø-159	ØØ1	ØØ6	ØØ2	Ø18	Ø27	Ø42	Ø35	Ø22	ØØ6	ØØ2																161
16Ø-169	ØØ1	ØØ5	ØØ9	Ø19	Ø41	Ø41	Ø24	Ø23	Ø14	ØØ3																18Ø
17Ø-179	ØØ1	ØØ2	ØØ7	Ø17	Ø2Ø	Ø34	Ø31	Ø36	Ø1Ø	ØØ5	ØØ3															166
18Ø-189			Ø16	ØØ9	Ø3Ø	Ø4Ø	Ø27	Ø27	Ø1Ø	ØØ8	ØØ3															17Ø
19Ø-199			Ø13	Ø12	Ø24	Ø42	Ø21	Ø24	Ø1Ø	ØØ7	ØØ2															155
2ØØ-2Ø9		ØØ4	Ø18	Ø21	Ø22	Ø34	Ø17	Ø33	Ø18	ØØ7	ØØ2															176
21Ø-219		Ø12	Ø18	Ø14	Ø32	Ø23	Ø33	Ø24	Ø16	ØØ6	ØØ6															184
22Ø-229		Ø1Ø	Ø23	Ø16	Ø16	Ø25	Ø41	Ø19	ØØ9	Ø1Ø	ØØ3															172
23Ø-239		Ø1Ø	Ø21	Ø13	Ø11	Ø21	Ø17	Ø16	Ø13	ØØ4	ØØ3															129
24Ø-249	ØØ1	Ø12	Ø2Ø	Ø15	ØØ7	ØØ5	Ø16	Ø11	ØØ9	ØØ4	ØØ2															1Ø2
25Ø-259	ØØ2	ØØ8	Ø16	ØØ6	ØØ8	ØØ9	Ø11	ØØ4	ØØ2	ØØ2	ØØ1															69
26Ø-269	ØØ1	Ø11	Ø15	ØØ7	ØØ4	ØØ6	ØØ6	ØØ1	ØØ2	ØØ1																54
27Ø-279	ØØ1	ØØ9	Ø1Ø	ØØ6	ØØ3	ØØ7	ØØ5	ØØ3	ØØ1																	45
28Ø-289	ØØ2	ØØ6	ØØ6	ØØ1	ØØ5	ØØ4	ØØ2																			26
29Ø-299	ØØ6	ØØ9	ØØ9	ØØ4	ØØ3	ØØ5	ØØ2																			38
3ØØ-3Ø9	ØØ2	ØØ7	Ø14	ØØ3	ØØ2	ØØ2	ØØ1	ØØ1	ØØ3																	35
31Ø-319		ØØ4	ØØ5	ØØ8	ØØ3	ØØ5	ØØ1	ØØ1	ØØ1																	28
32Ø-329		ØØ4	Ø13	ØØ8	ØØ3	ØØ1	ØØ1		ØØ1																	31
33Ø-339	ØØ3	ØØ6	Ø1Ø	ØØ9	ØØ5	ØØ2	ØØ3	ØØ1																		39
34Ø-349	ØØ5	ØØ7	Ø12	ØØ6	ØØ8	ØØ3	ØØ6	ØØ1	ØØ3																	51
35Ø-359	ØØ5	Ø1Ø	ØØ6	ØØ8	ØØ8	ØØ7	ØØ4	ØØ3																		51
	238		333		517		337		8Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø	3Ø71
	5Ø		355		465		437		234		25		Ø		Ø		Ø		Ø		Ø		Ø		Ø	

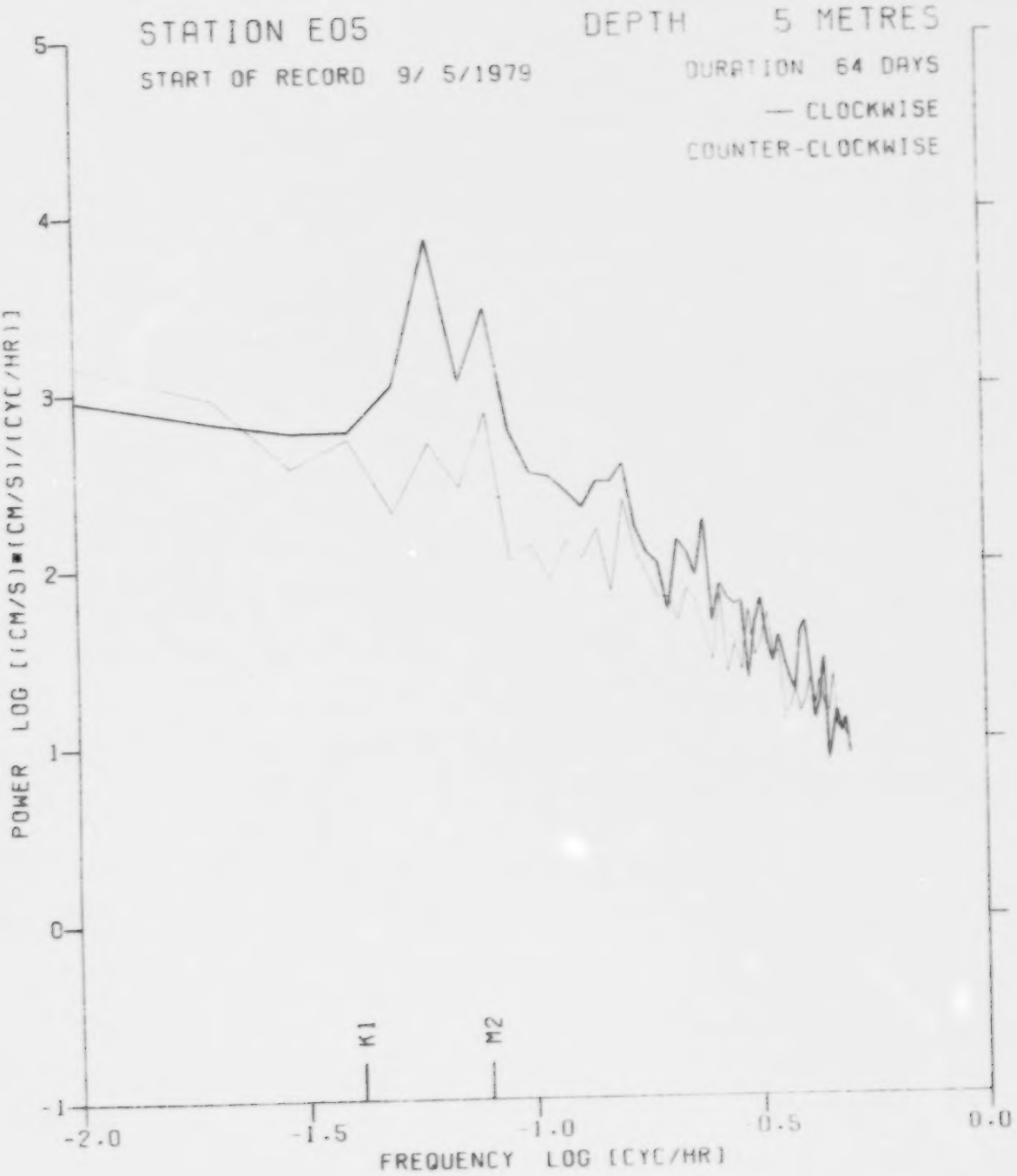
Number of zero rates: Ø

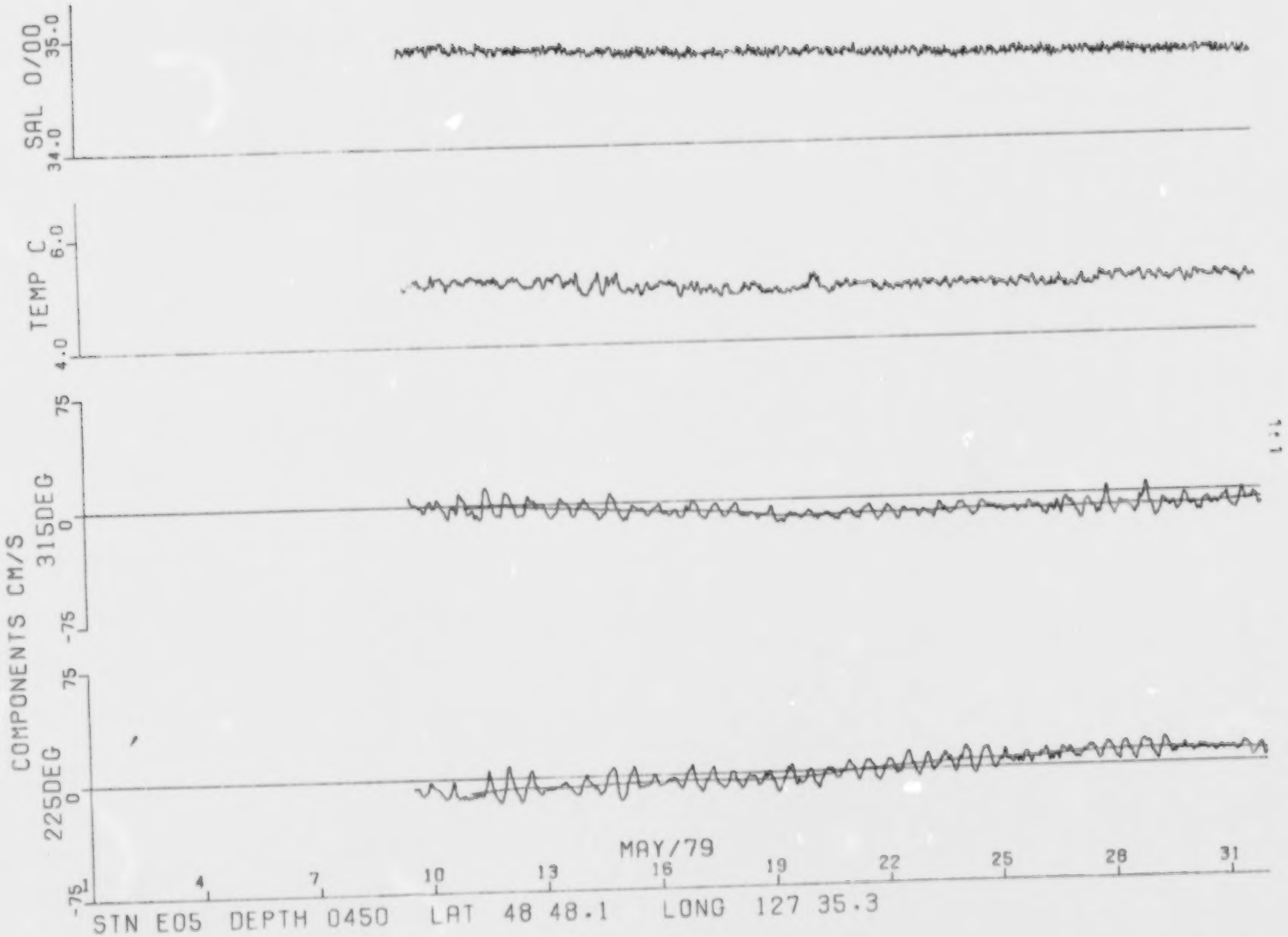
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

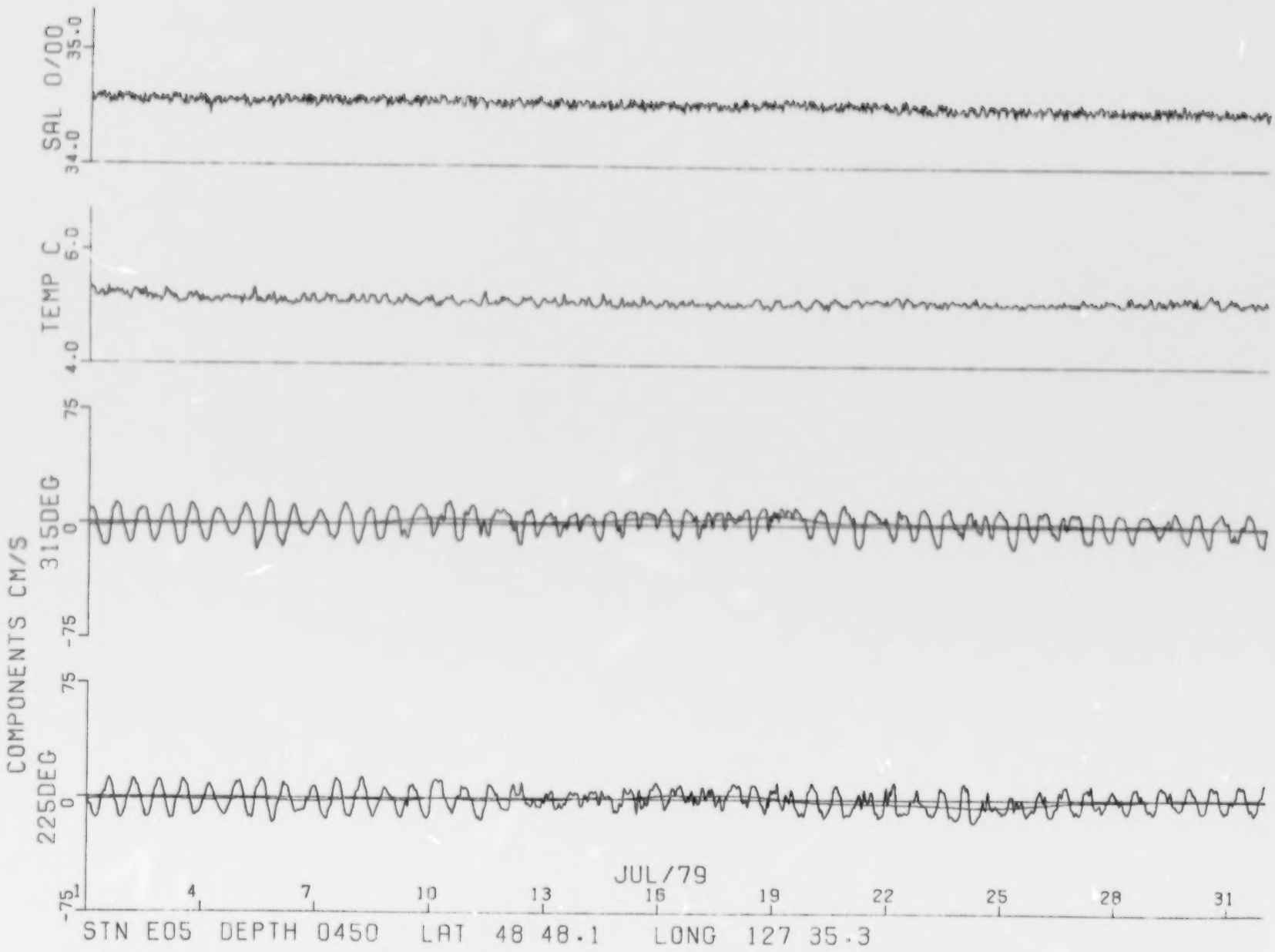
STN	DEPTH	AREA	DAY/YR	NO DAYS
F05	0005M	8600	129/79	64

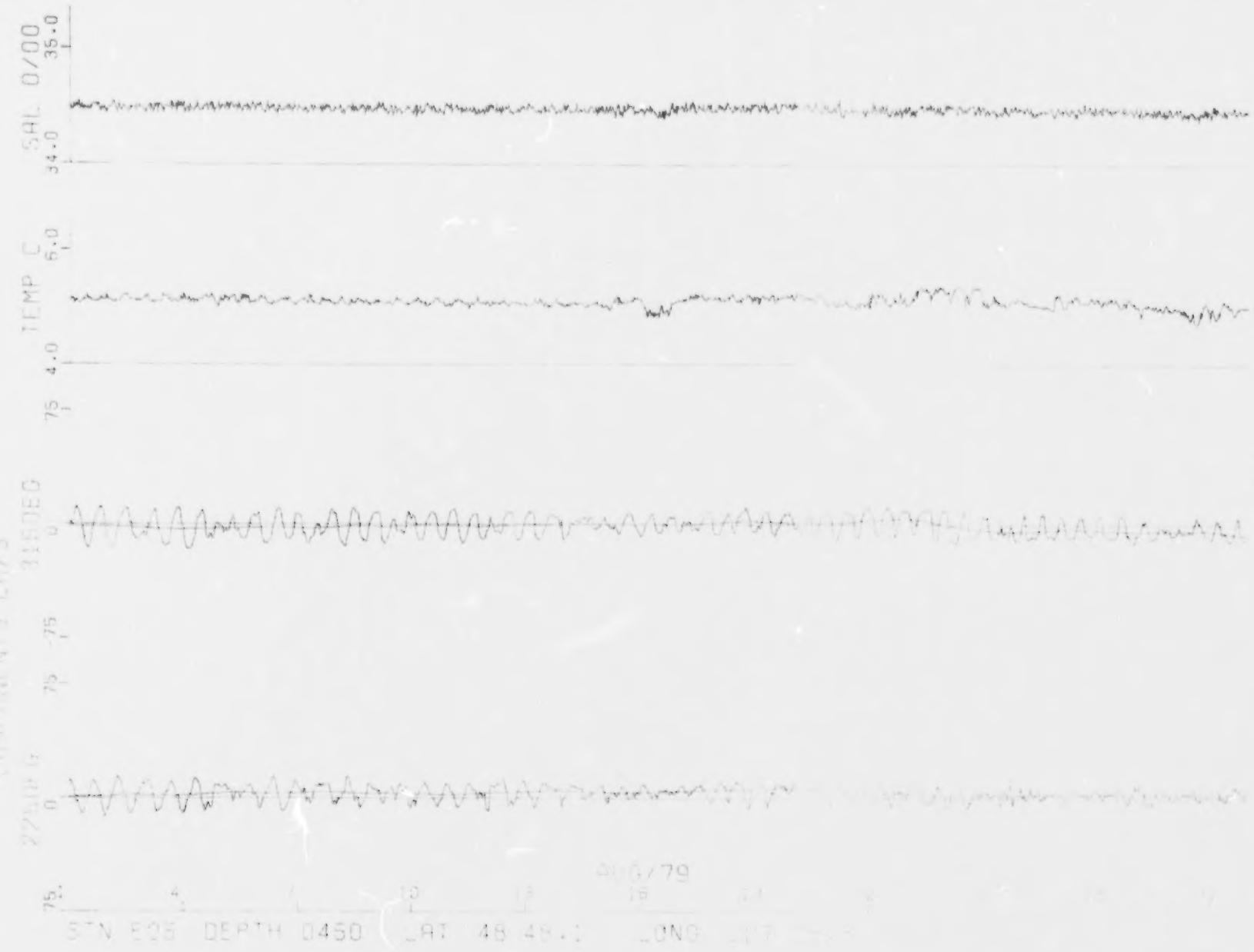
SCALE
100 KM

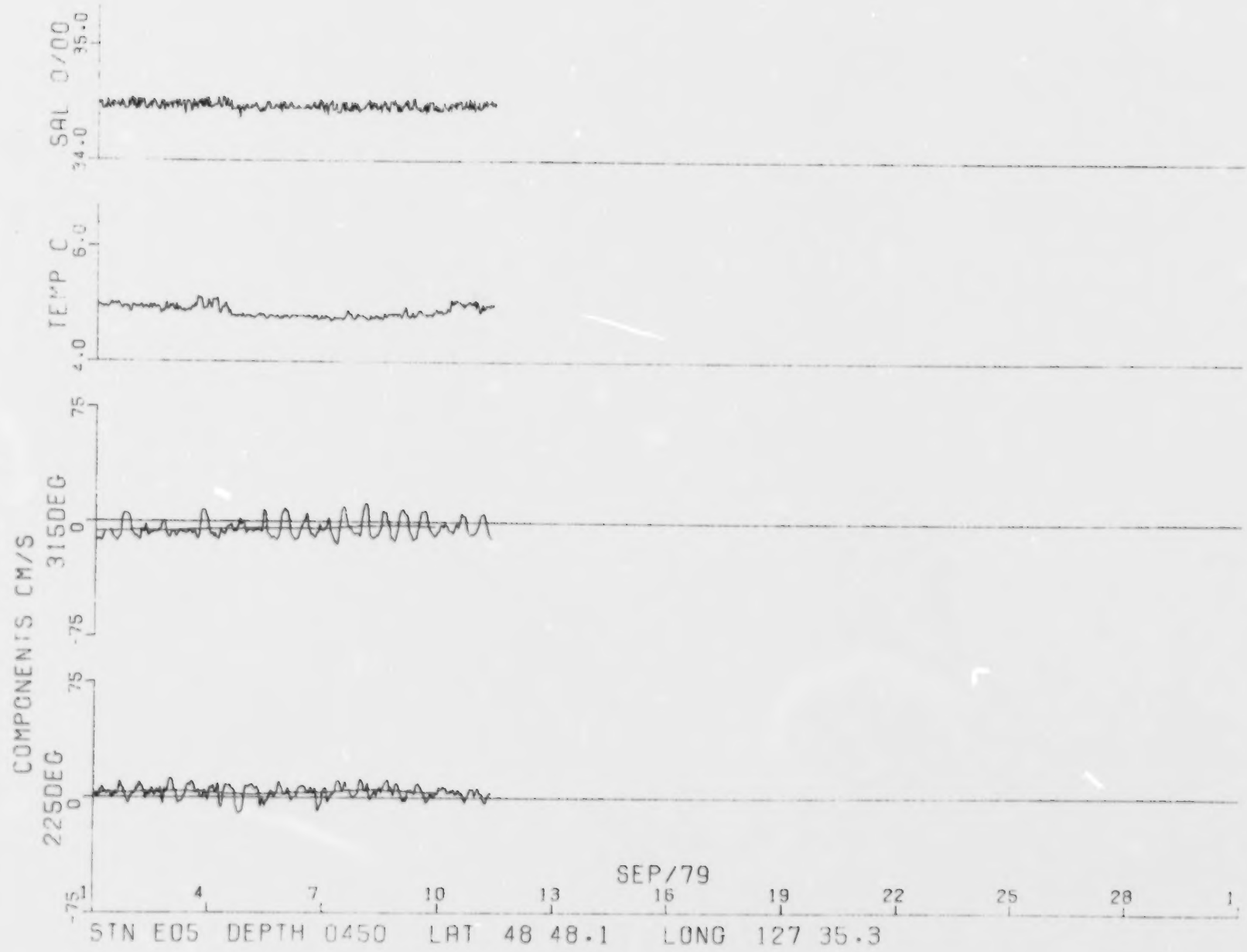

STATION E05
DEPTH 5 METRES
START OF RECORD 9/ 5/1979
DURATION 64 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0450 LAT 48 48.1 LONG 127 35.3

STN EOS DEPTH 0450 LAT 48 48.1 LONG 127 35.3
JUN/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
4.0
6.0
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
1
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0450 LAT 48 48.1 LONG 127 35.3


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
75
315DEG
0
-75
75
225DEG
0
75
AUG/79
4
10
16
STN E05 DEPTH 0450 LAT 48 48.1 LONG


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 0450 LAT 48 48.1 LONG 127 35.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 0450 ESTEVAN POINT 48 48.1 N 127 35.3 W Length of record=125 Days
Start of record 0 mn 12 hr 9 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	006	045	039	001																						91
10- 19	012	039	038	001																						90
20- 29	007	031	039	001																						78
30- 39	012	038	038	004																						92
40- 49	009	042	044	003																						98
50- 59	010	051	048	004																						113
60- 69	007	049	053	007																						116
70- 79	009	055	056	005																						125
80- 89	010	061	047	003																						121
90- 99	011	068	068	005																						152
100-109	005	059	060	004																						128
110-119	009	085	062	005																						161
120-129	005	100	088	005																						198
130-139	013	124	103	006																						246
140-149	008	142	145	009																						304
150-159	013	157	160	010																						340
160-169	006	191	127	016																						340
170-179	016	151	109	029	001																					306
180-189	012	168	121	018	003																					322
190-199	019	129	106	010																						264
200-209	007	106	084	003																						200
210-219	010	108	049																							167
220-229	013	113	042																							168
230-239	008	103	045																							156
240-249	014	127	045																							186
250-259	008	085	047																							140
260-269	008	116	062																							186
270-279	009	111	047																							167
280-289	011	098	038																							148
290-299	009	086	036	001																						132
300-309	009	110	024	001																						154
310-319	007	079	031																							117
320-329	010	068	034	002																						114
330-339	006	057	034	001																						98
340-349	009	059	033	001																						102
350-359	007	034	036	001																						78
	3245		156		0		0		0		0		0		0		0		0		0		0		0	
	344	2246		4		0		0		0		0		0		0		0		0		0		0		5995

Number of zero rates: 0

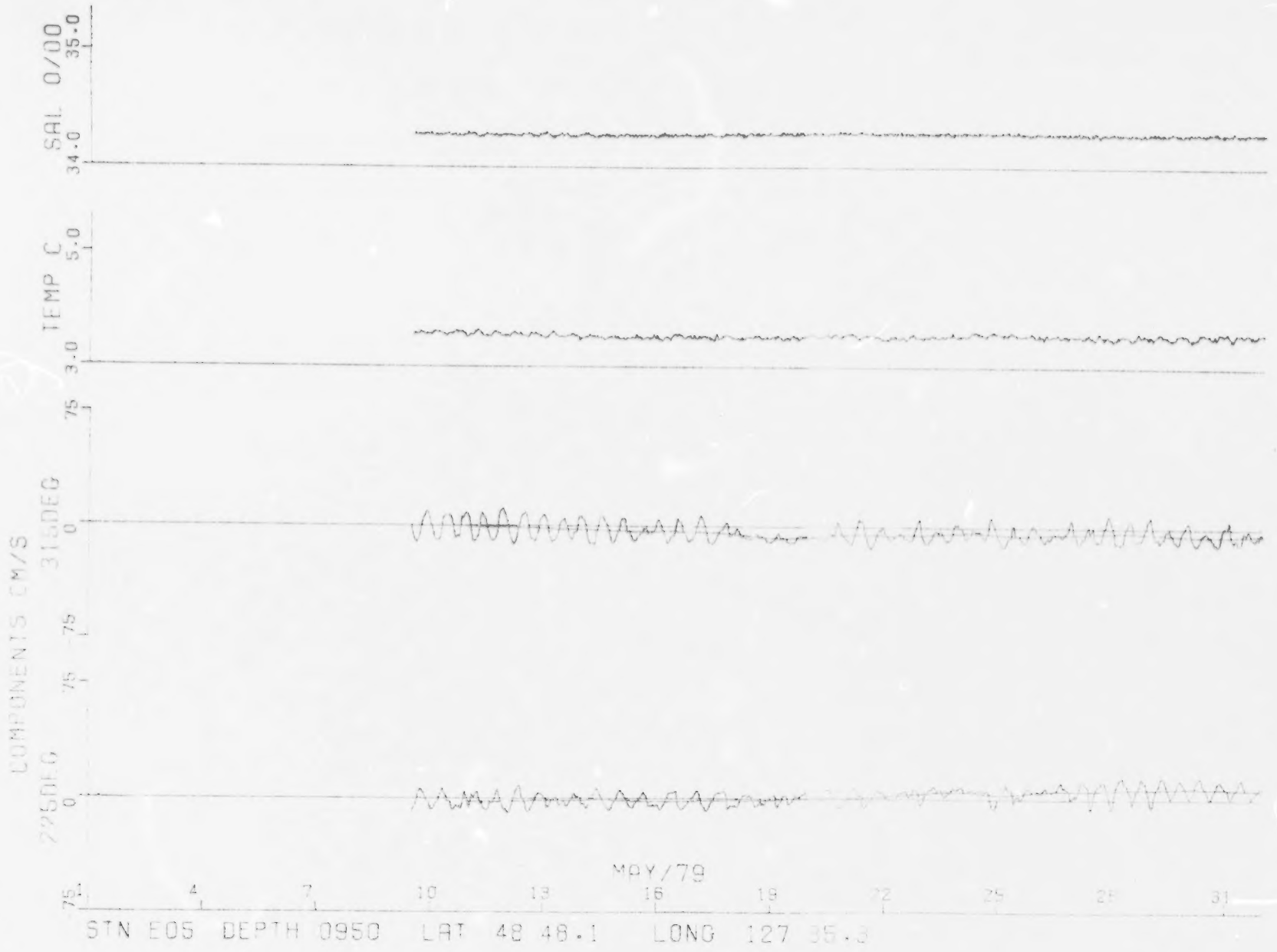
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

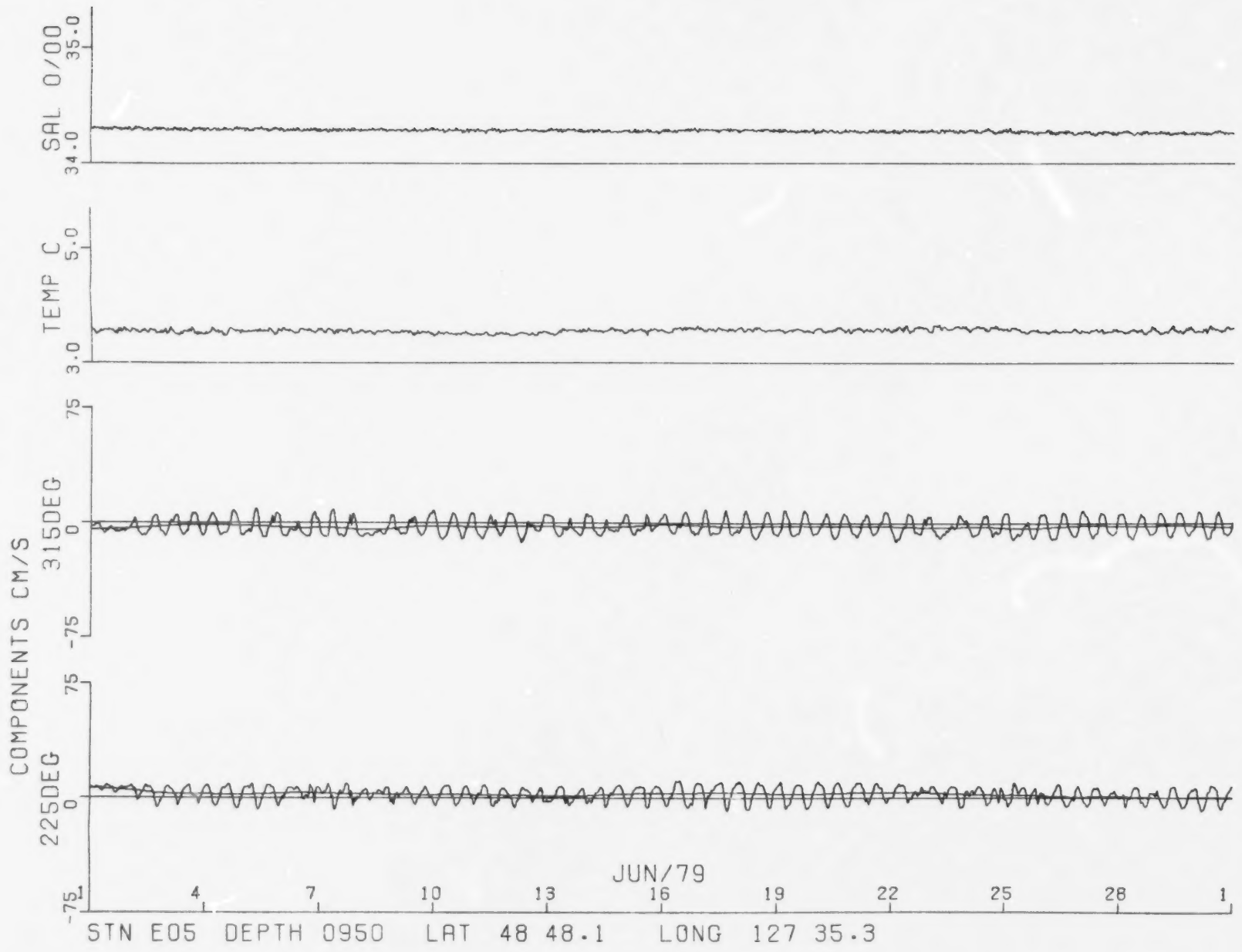
□ODD NUMBERED DAYS
©EVEN NUMBERED DAYS

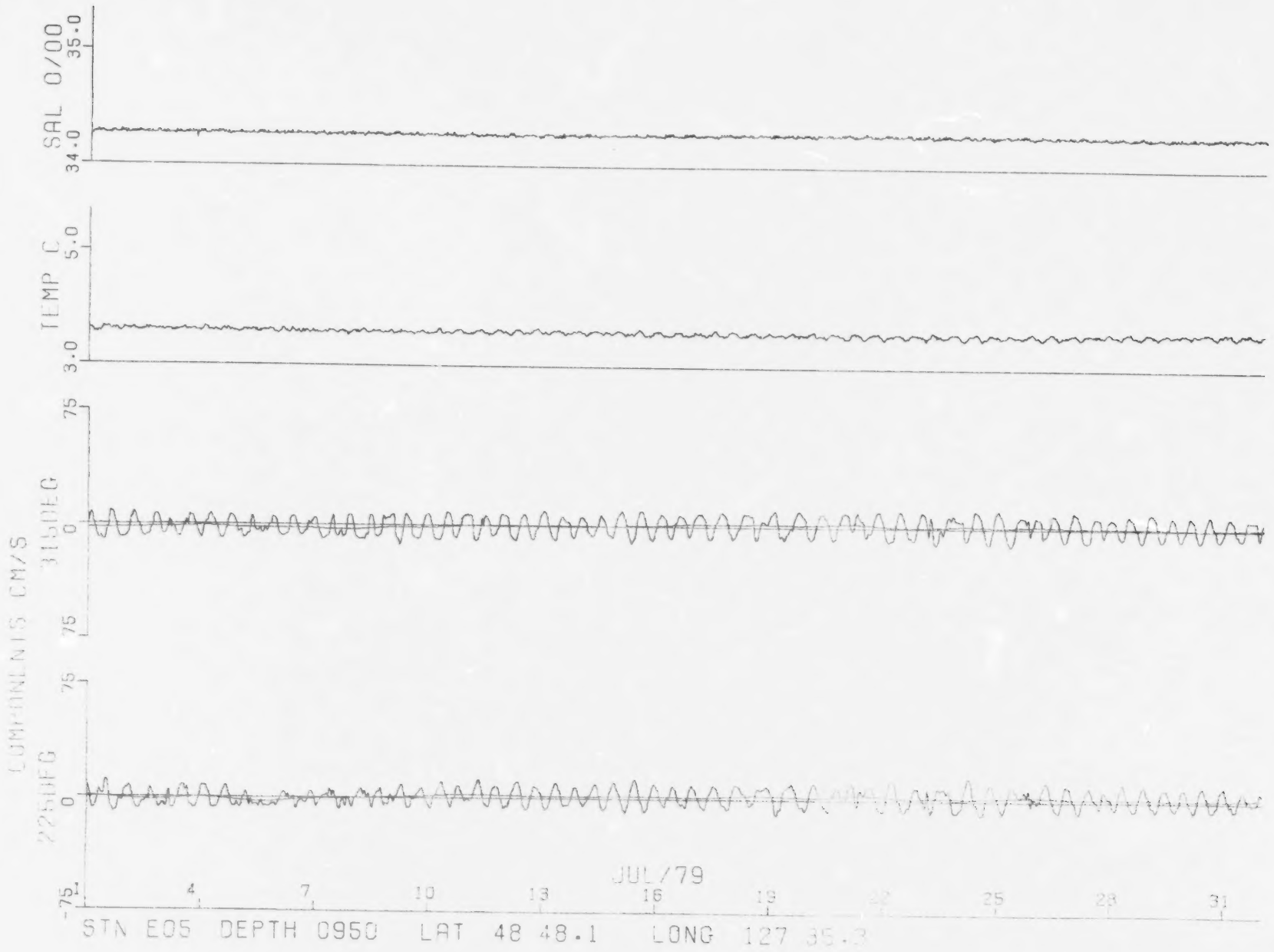
STN	DEPTH	AREA	DAY/YR	NO DAYS
E05	0450M	8600	129/79	125

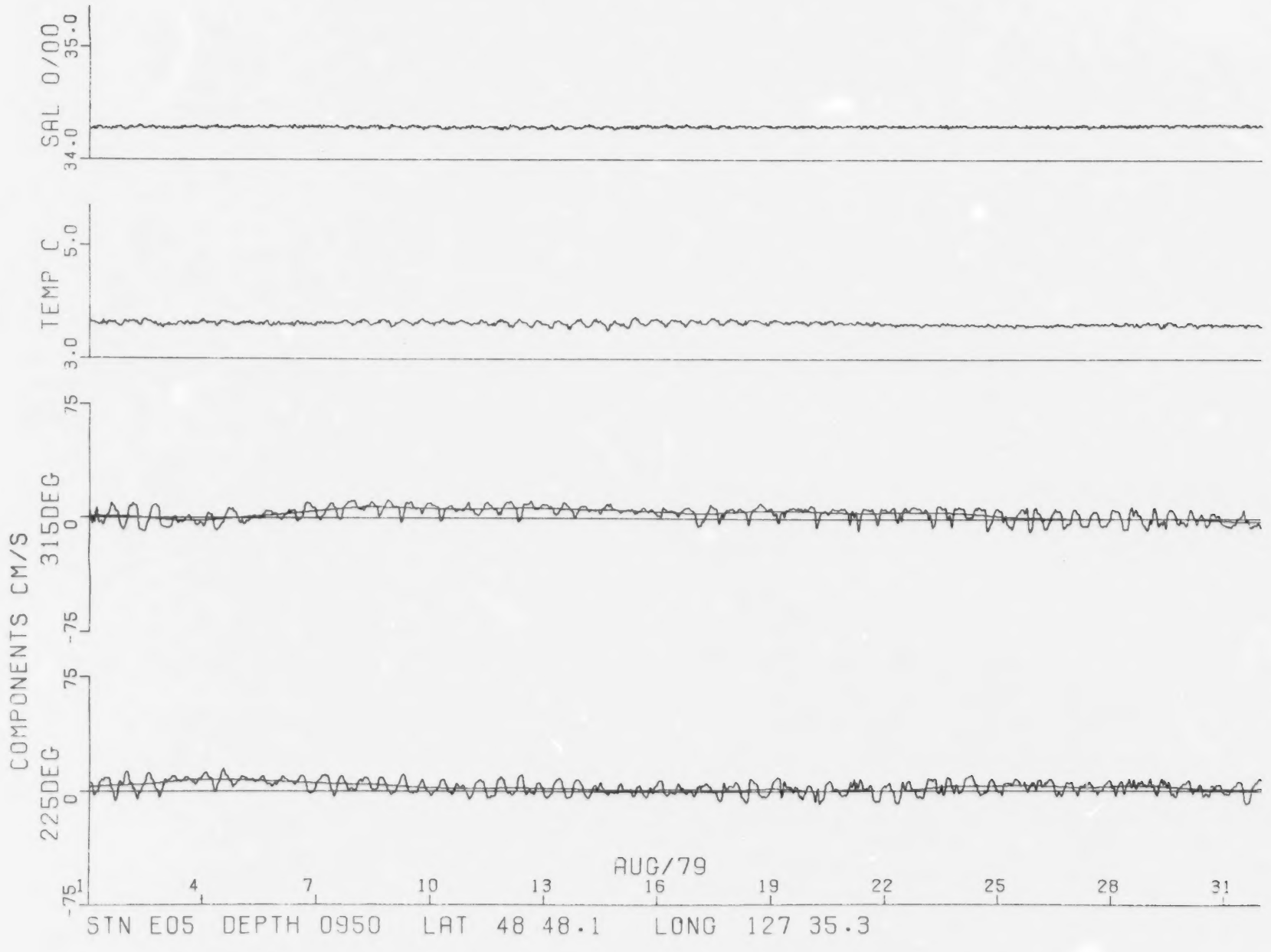
SCALE
100 KM

STATION E05
START OF RECORD 9/ 3/1979
DEPTH 450 METRES
DURATION 125 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
5
4
3
K1
-2.0
.5


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
75
225DEG
75
0
MAY/79
75
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0950 LAT 48 48.1 LONG 127 35.3


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
1
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 0950 LAT 48 48.1 LONG 127 35.3


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JUL/79
1
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0950 LAT 48 48.1 LONG 127 35.3


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0950 LAT 48 48.1 LONG 127 35.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 0950 ESTEVAN POINT 48 48.1 N 127 35.3 W Length of record=117 Days
Start of record 30 mn 12 hr 9 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	017	081	002																							100
10- 19	007	081	002																							90
20- 29	009	055	002																							66
30- 39	011	046																								57
40- 49	009	058																								67
50- 59	006	052	002																							60
60- 69	005	056																								61
70- 79	007	060	001																							68
80- 89	007	074	004																							85
90- 99	013	083	006																							102
100-109	009	076	012																							97
110-119	009	099	015																							123
120-129	009	120	017																							146
130-139	017	153	028																							198
140-149	011	175	039																							225
150-159	013	189	044																							246
160-169	011	177	064																							252
170-179	015	186	073	002																						276
180-189	013	177	061	009																						260
190-199	013	149	060	008																						230
200-209	014	155	046	005																						220
210-219	012	133	048	001																						194
220-229	008	130	031																							169
230-239	015	142	019	001																						177
240-249	015	121	017																							153
250-259	020	106	017																							143
260-269	010	139	021																							170
270-279	019	125	017																							161
280-289	012	119	014																							145
290-299	016	162	016																							194
300-309	010	172	016																							198
310-319	014	198	025																							237
320-329	012	176	026																							214
330-339	017	142	015																							174
340-349	021	125	010																							156
350-359	013	104	007																							124
	4396		26		0		0		0		0		0		0		0		0		0		0		0	5638
	439	777		0		0		0		0		0		0		0		0		0		0		0		

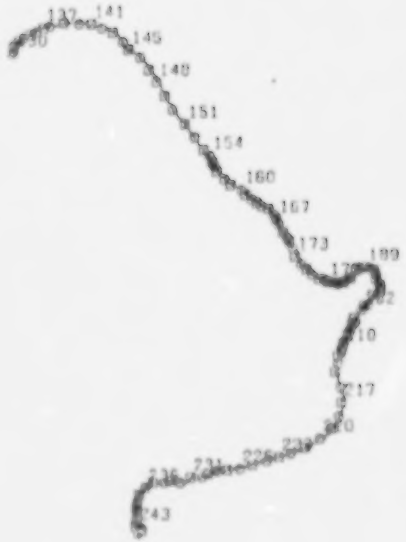
Number of zero rates: 0

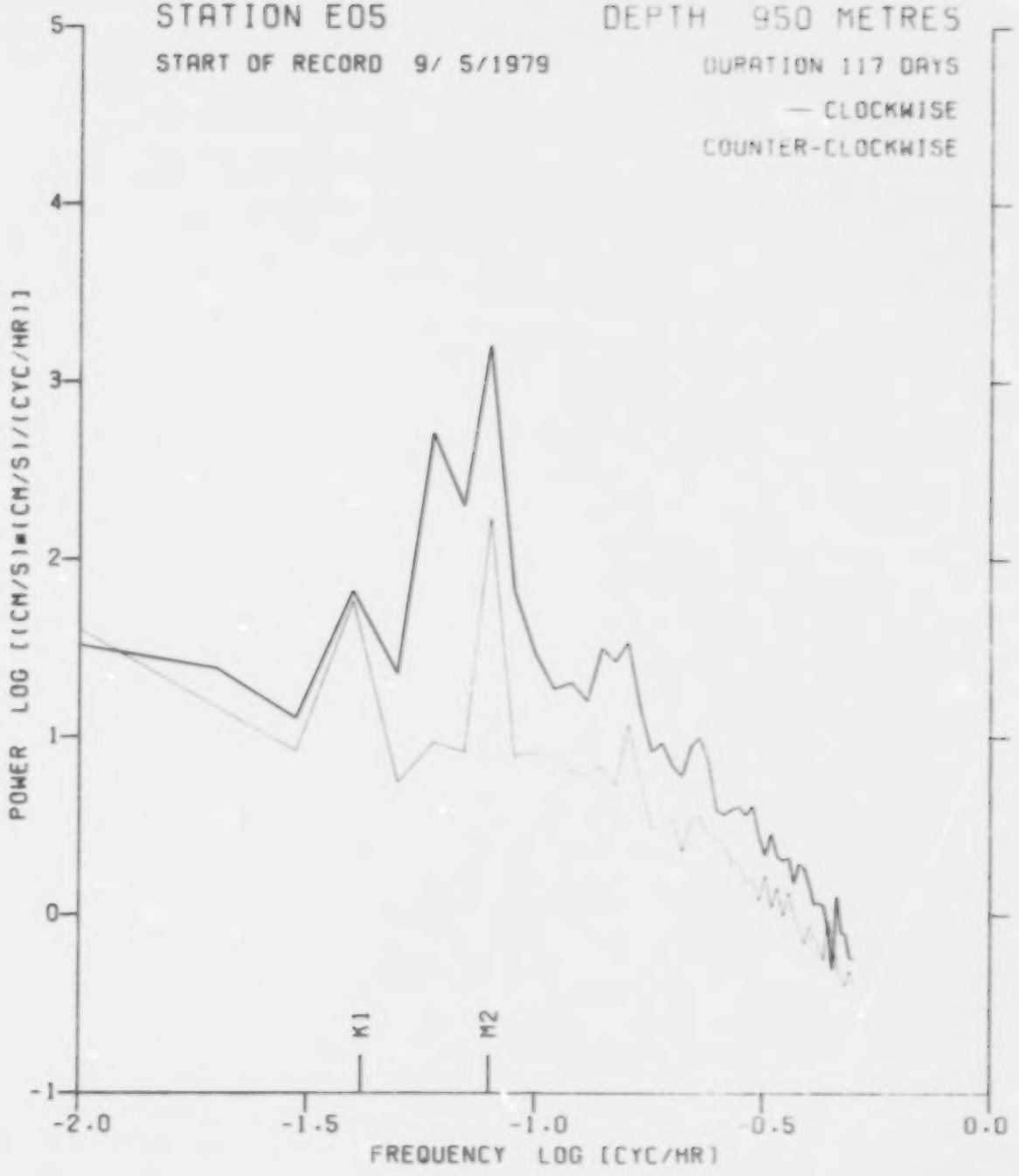
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

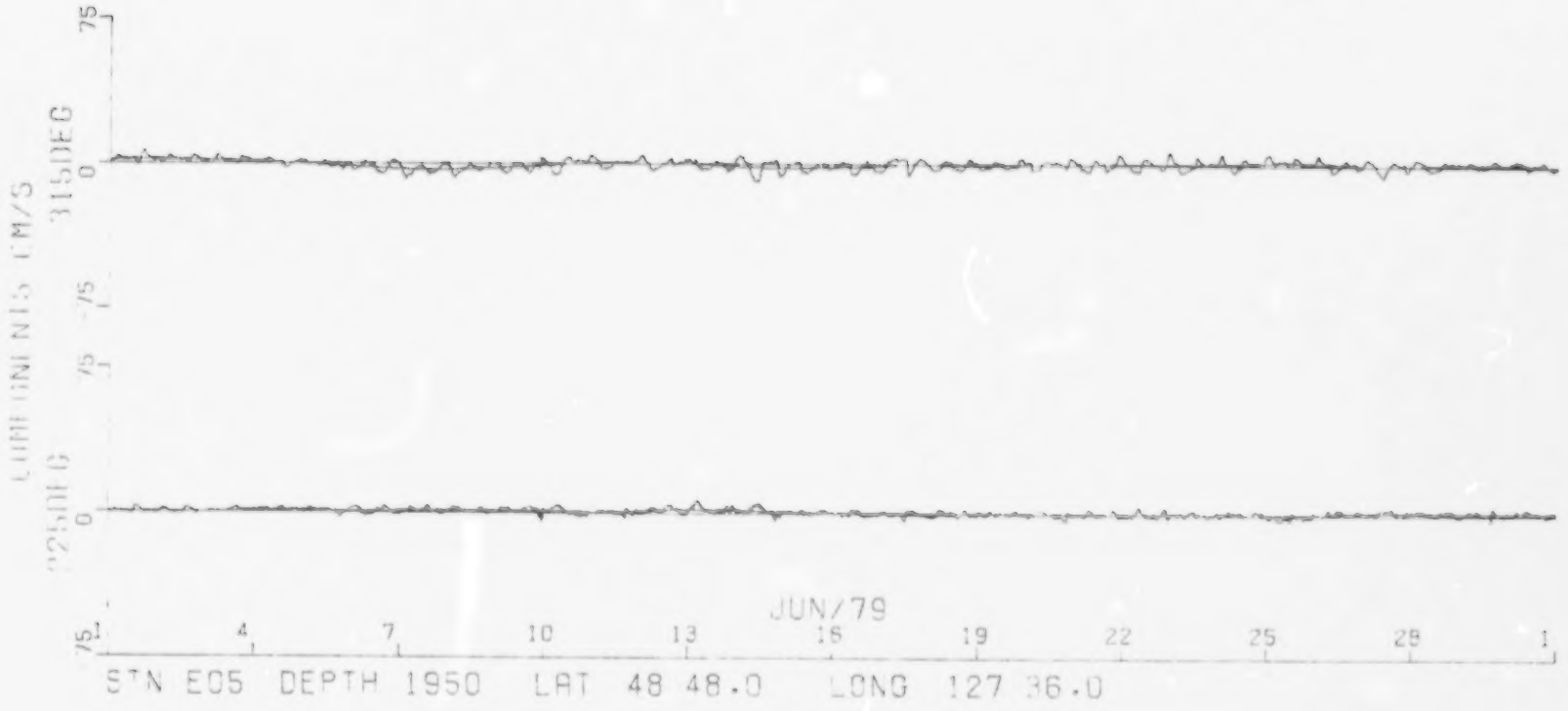
STN	DEPTH	AREA	DAY/YR	NO DAYS
EOS	0950M	8600	129/79	117

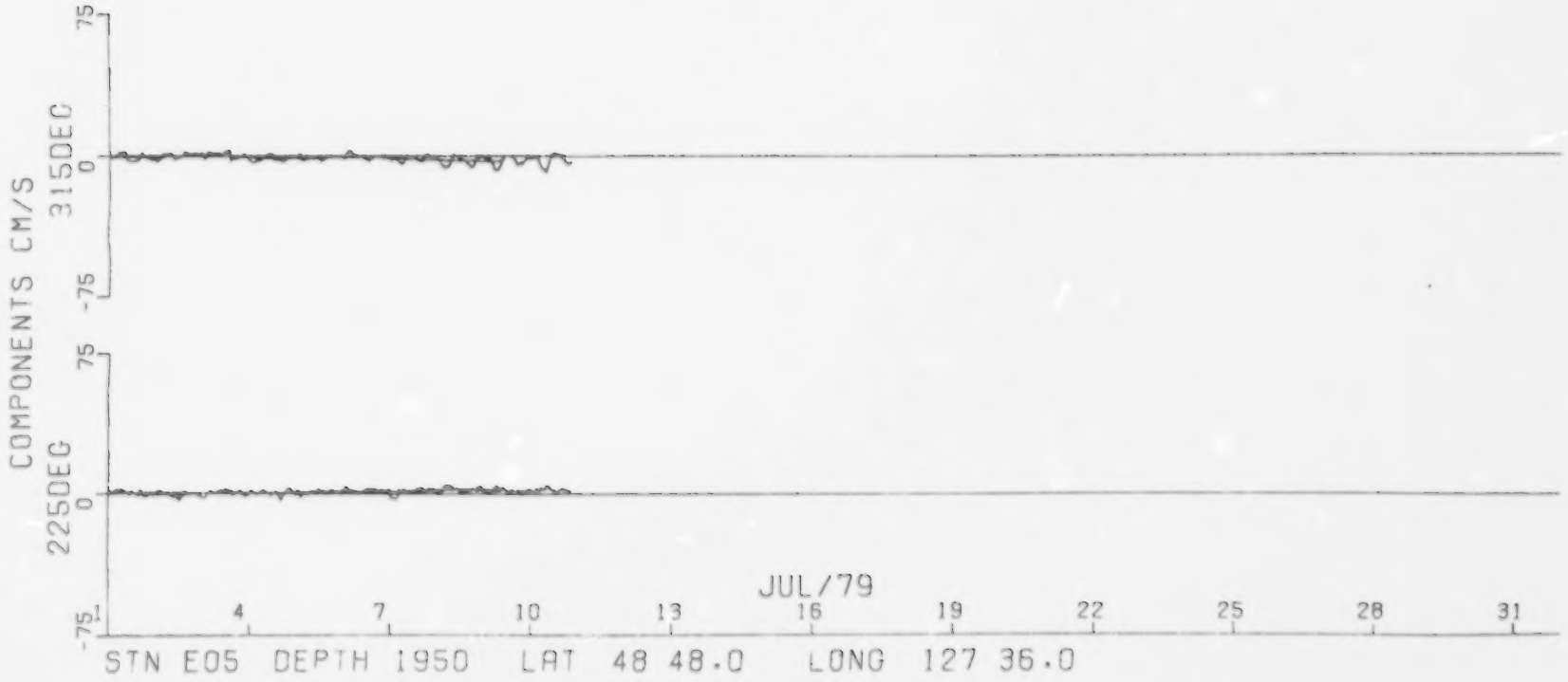
SCALE 100 KM




STATION E05
DEPTH 950 METRES
START OF RECORD 9/ 5/1979
DURATION 117 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E05 DEPTH 1950 LAT 48 48.0 LONG 127 36.0
MAY/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75


75
0
-75
315DEG
225DEG
JUN/79
1
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 1950 LAT 48 48.0 LONG 127 36.0


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 1950 LAT 48 48.0 LONG 127 36.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 1950 ESTEVAN POINT 48 40.0 N 127 36.0 W Length of record= 54 Days
Start of record 30 mn 9 hr 17 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	059																									59
10- 19	037																									37
20- 29	027																									27
30- 39	027																									27
40- 49	029																									29
50- 59	018																									18
60- 69	025	001																								26
70- 79	020	003																								31
80- 89	030																									30
90- 99	031	002																								33
100-109	048	005																								53
110-119	074	001																								75
120-129	080	002																								82
130-139	063	023																								86
140-149	101	033																								134
150-159	123	034																								157
160-169	155	036																								191
170-179	092	012																								104
180-189	069																									69
190-199	084	003																								87
200-209	072	002																								74
210-219	069	002																								71
220-229	079																									79
230-239	069																									69
240-249	055																									55
250-259	055																									55
260-269	066	001																								67
270-279	062																									62
280-289	059																									59
290-299	073	001																								74
300-309	105	003																								108
310-319	113	007																								120
320-329	093	009																								102
330-339	118	004																								122
340-349	092																									92
350-359	051																									51
	184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2615
2431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

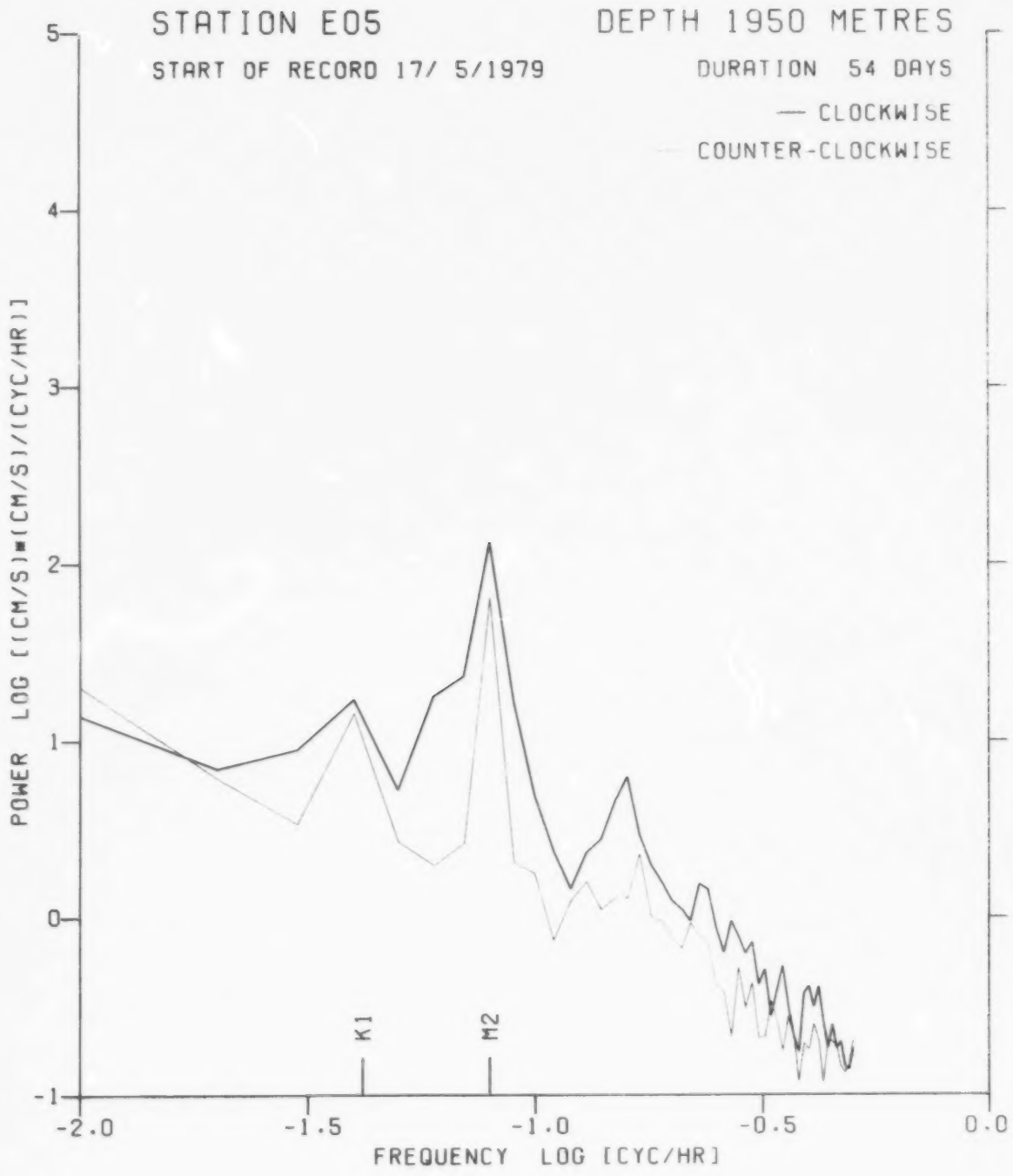
Number of zero rates: 0

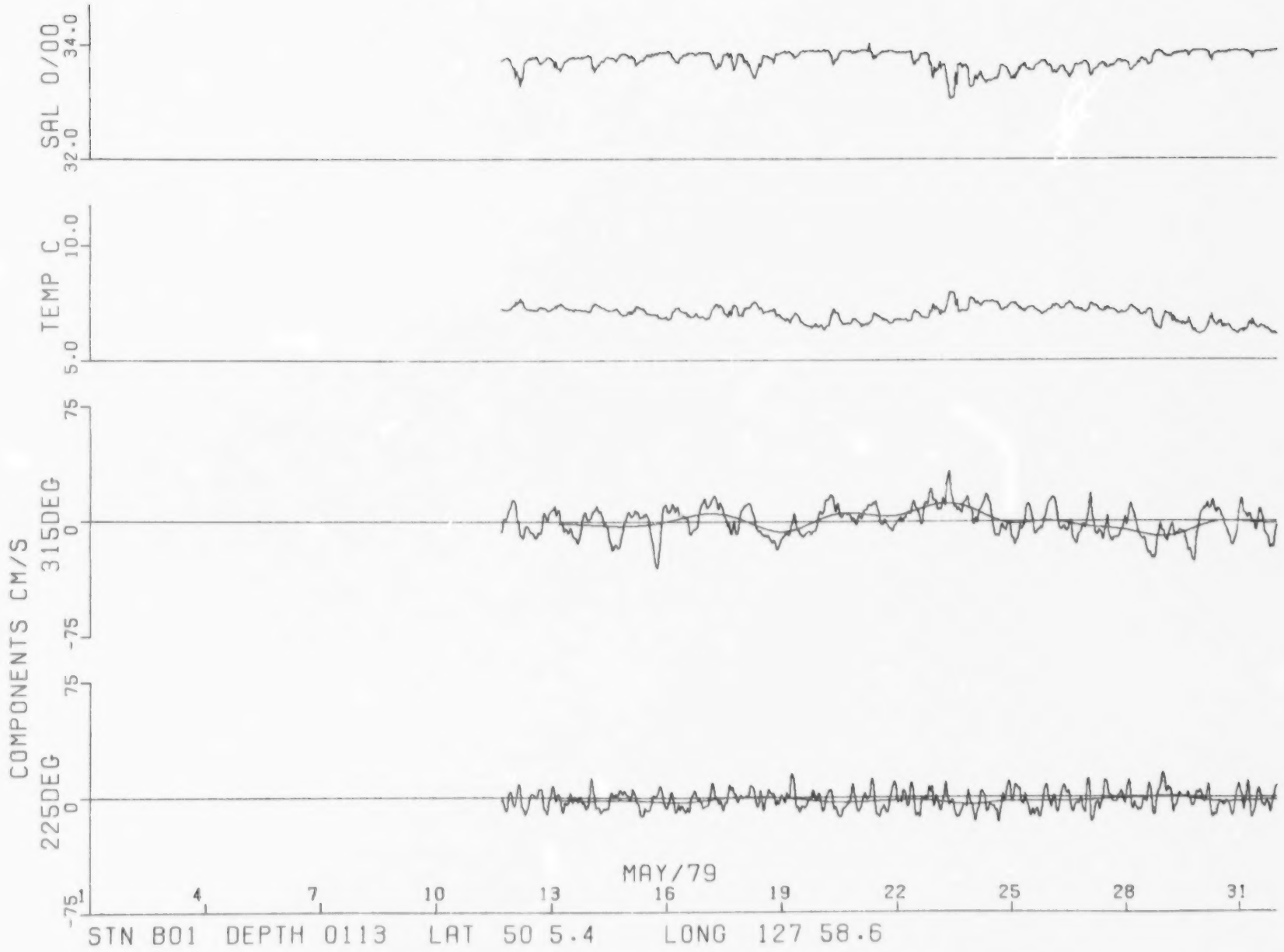
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

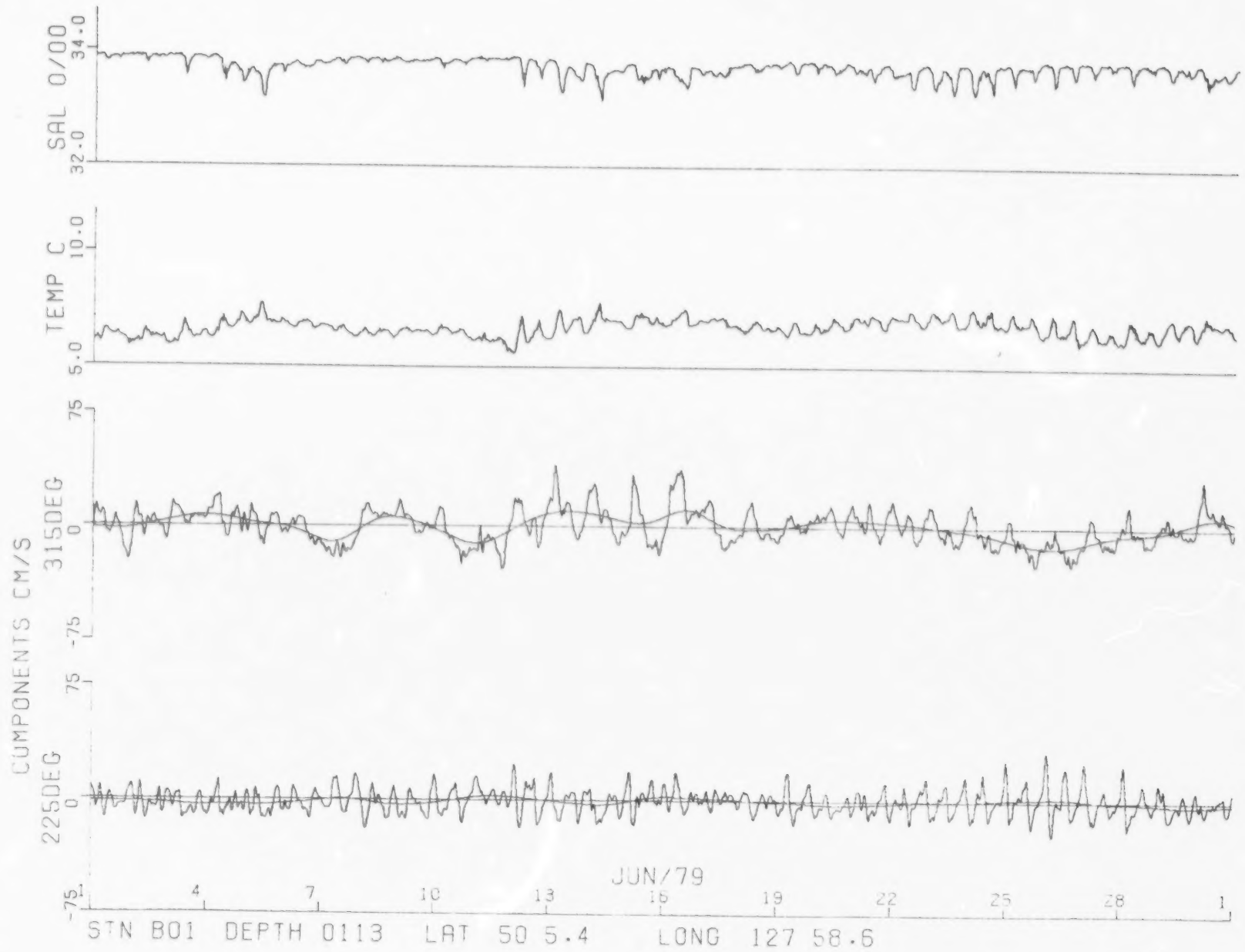
□ ODD NUMBERED DAYS
○ EVEN NUMBERED DAYS

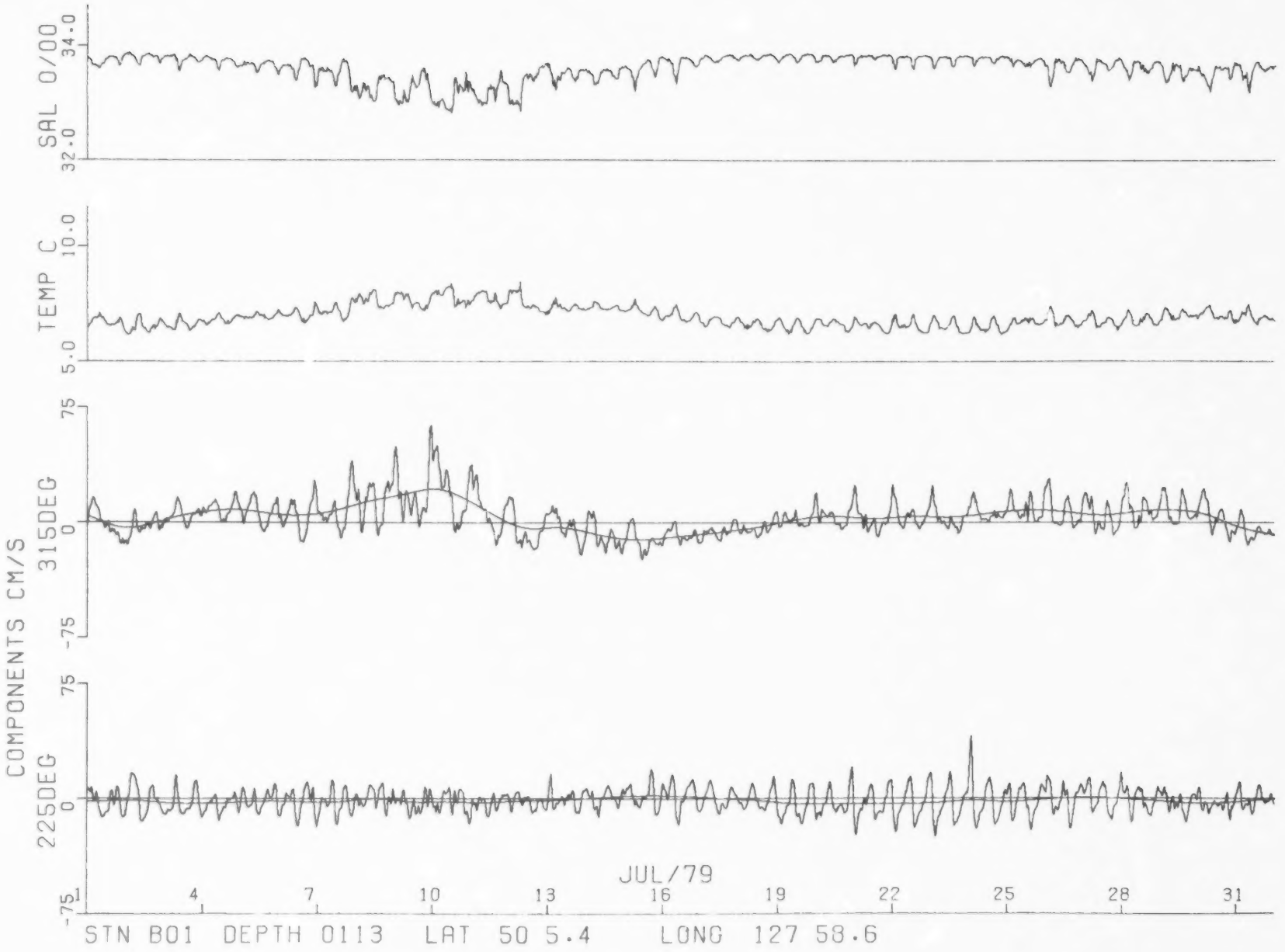
STN	DEPTH	AREA	DAY/IP	NO DAYS
EDS	1950M	8500	137/79	54

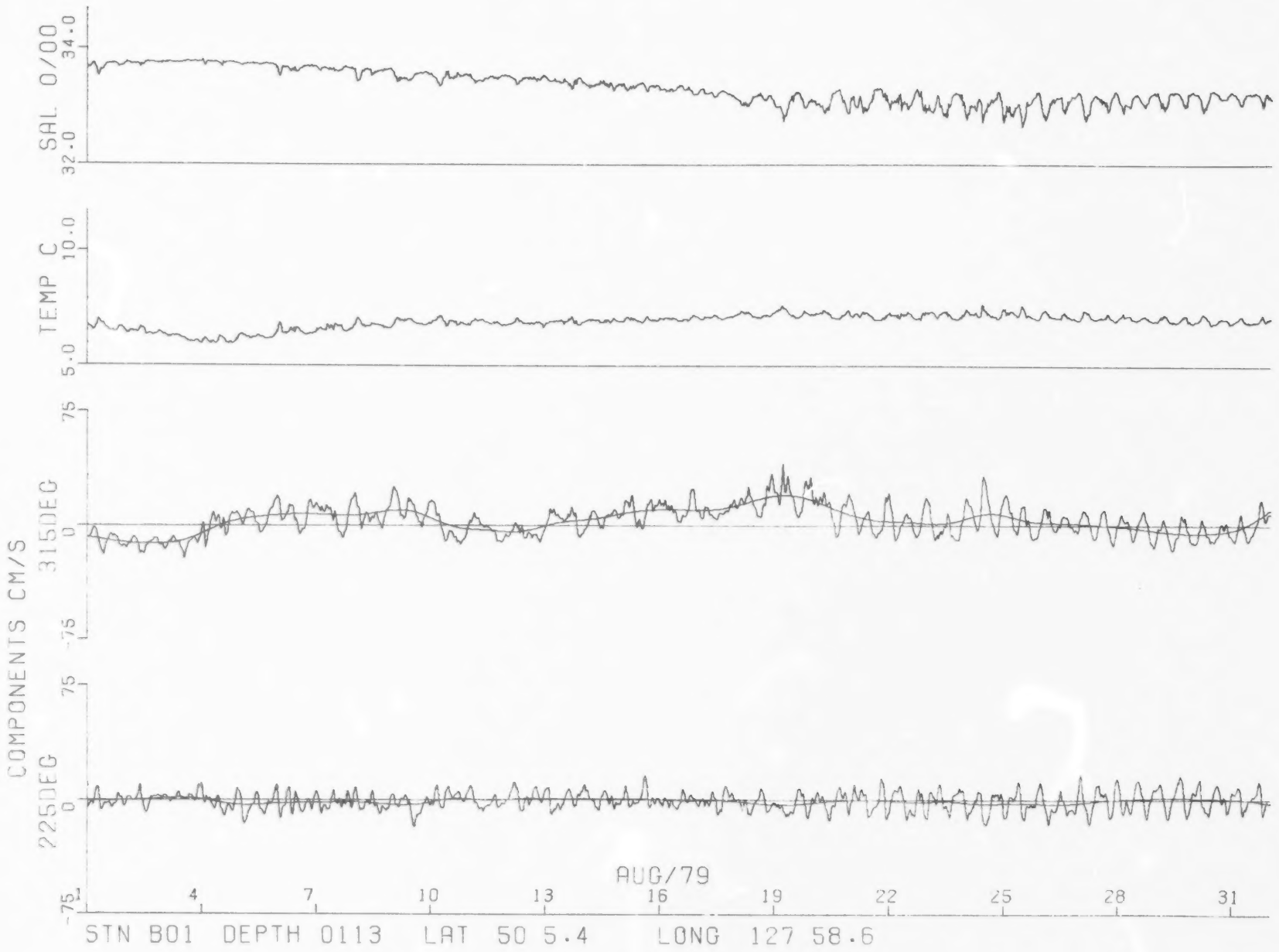
SCALE 10 KM

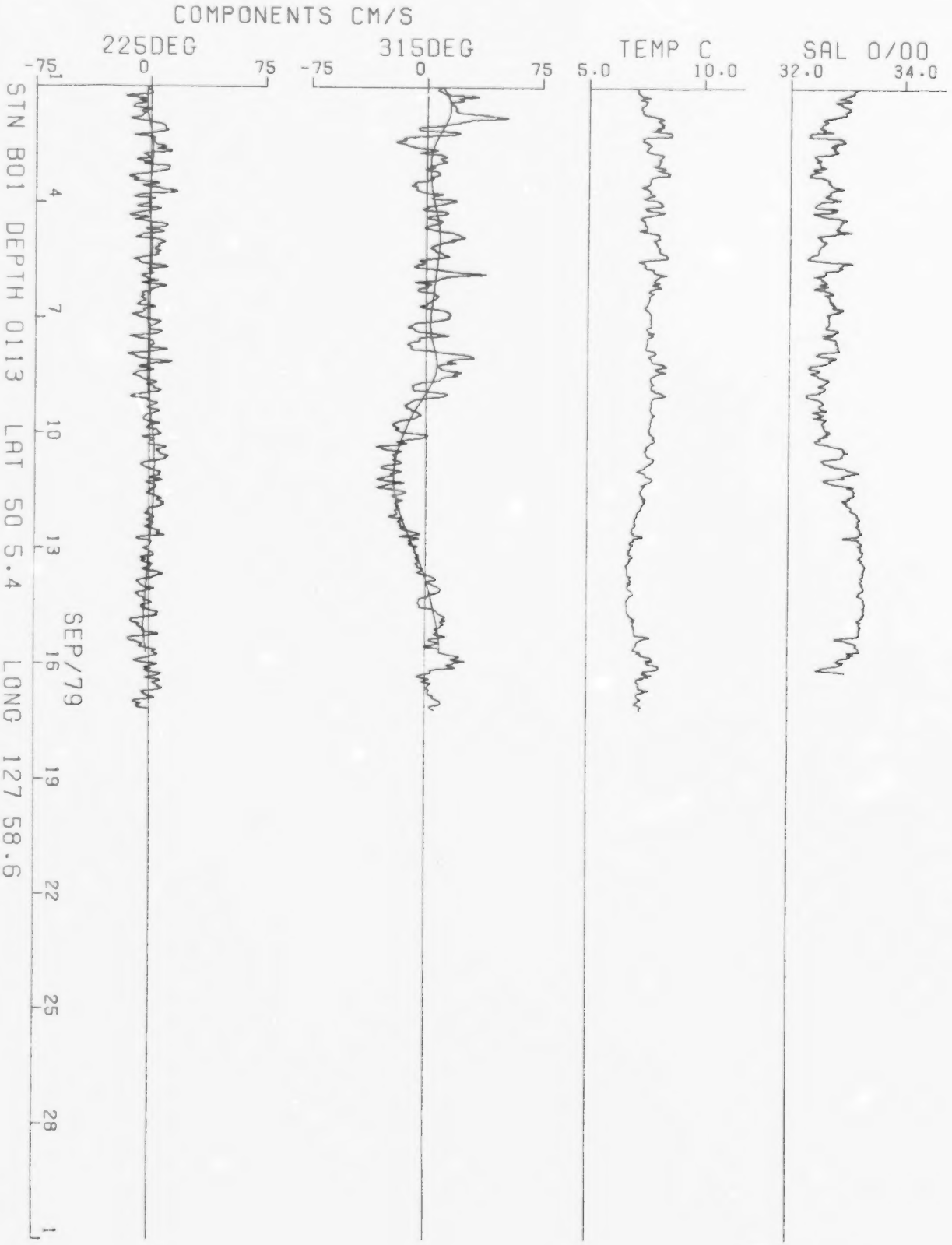

STATION E05
DEPTH 1950 METRES
START OF RECORD 17/ 5/1979
DURATION 54 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.0
32.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 0113 LAT 50 5.4 LONG 127 58.6


SAL O/OO
34.0
32.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
1
STN B01 DEPTH 0113 LAT 50 5.4 LONG 127 58.6


SAL O/OO
34.0
32.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
1
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 0113 LAT 50 5.4 LONG 127 58.6


SAL O/OO
34.0
32.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 0113 LAT 50 5.4 LONG 127 58.6


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
5.0
10.0
32.0
34.0
STN B01 DEPTH 0113 LAT 50 5.4 LONG 127 58.6
SEP/79
4
7
10
13
16
19
22
25
28
1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn 001 Depth 0113 BROOKS PENINSULA 50 05.4 N 127 58.6 W Length of record=129 Days
Start of record 0 mn 17 hr 11 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	022	070	068	031	012	001																				
10- 19	012	069	090	019	007	002																				204
20- 29	018	065	049	013	005	002																				199
30- 39	012	069	051	012																						152
40- 49	016	073	035	010	001																					144
50- 59	020	083	035	011	001																					135
60- 69	013	066	042	007																						150
70- 79	022	073	020	005	002																					128
80- 89	014	075	036	011	001																					130
90- 99	016	062	030	021	004	001																				137
100-109	017	078	042	037	007	003																				134
110-119	016	082	045	026	006	004																				184
120-129	013	078	064	047	014	007																				179
130-139	016	100	095	053	024	008	004																			223
140-149	023	084	085	046	013	006	003																			300
150-159	015	084	073	023	023	003	003																			260
160-169	017	070	049	014	013																					224
170-179	014	079	031	014	005	005																				163
180-189	008	050	021	009	001	002	001																			148
190-199	014	039	019	007	003																					92
200-209	010	054	023	006	002	001																				82
210-219	010	037	023	005		001	002																			96
220-229	016	039	029	004	003																					78
230-239	015	035	029	004	002	001																				91
240-249	018	045	026	012	001	001		001	001																	86
250-259	012	050	030	013	002			001																		105
260-269	014	048	029	010	004	003																				108
270-279	018	060	035	011	008	002																				108
280-289	015	057	045	015	005	002	001	002																		134
290-299	019	056	063	037	018	007	002	003																		142
300-309	012	068	075	056	024	009	009	001	001				001													205
310-319	012	066	099	059	021	010	007	005	004	003	001		001													256
320-329	018	086	079	065	035	017	015	005	002	004	004															288
330-339	008	092	077	058	027	021	013	002	003																	330
340-349	015	079	075	038	031	007	007	001	001																	301
350-359	017	077	076	034	010	003	001																			254
																										218
	2398		843		129		21		7		0		0		0		0		0		0		0		0	
	547	1801		335		68		12		5		2		0		0		0		0		0		0		6168

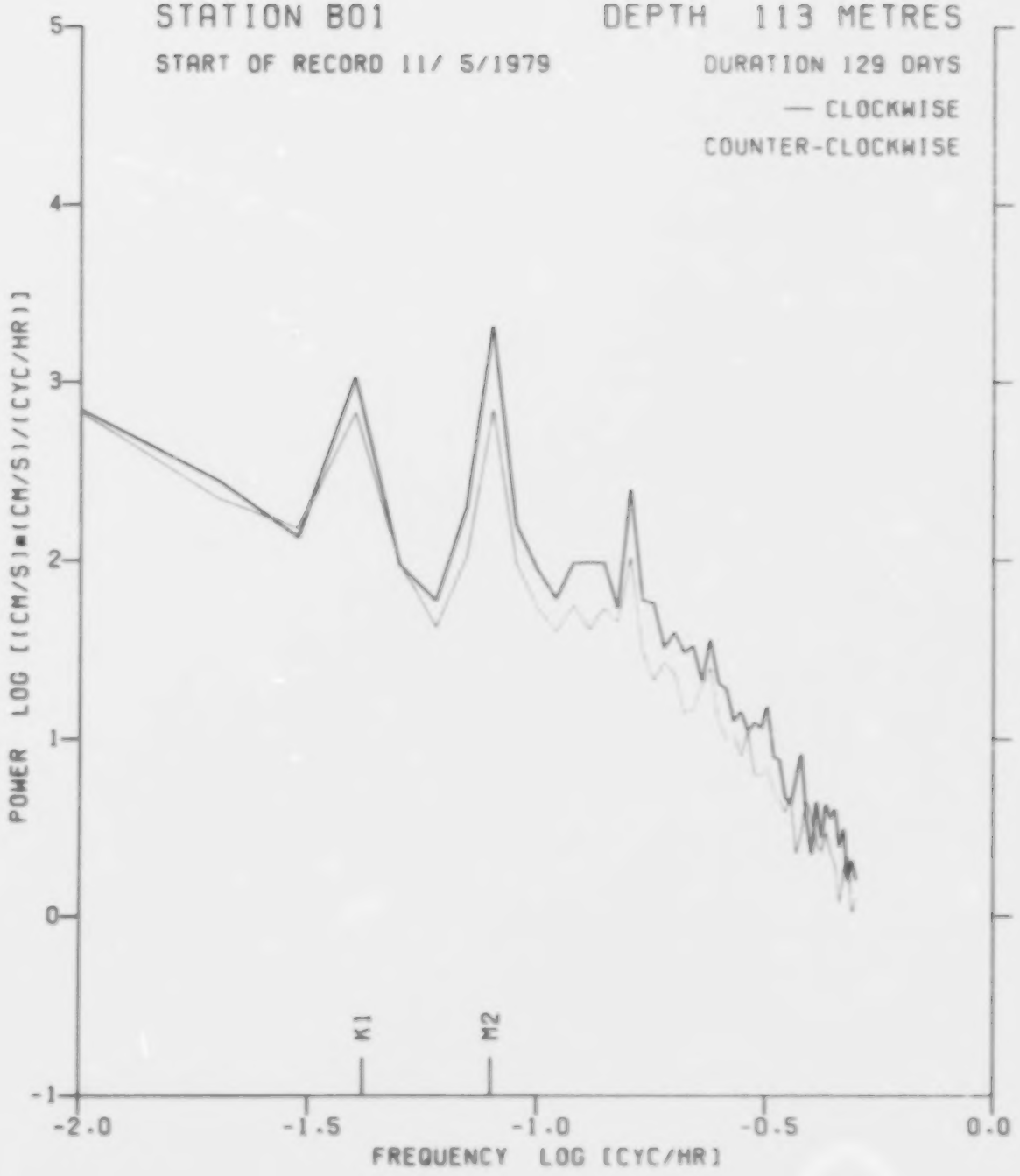
Number of zero rates: 0

BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

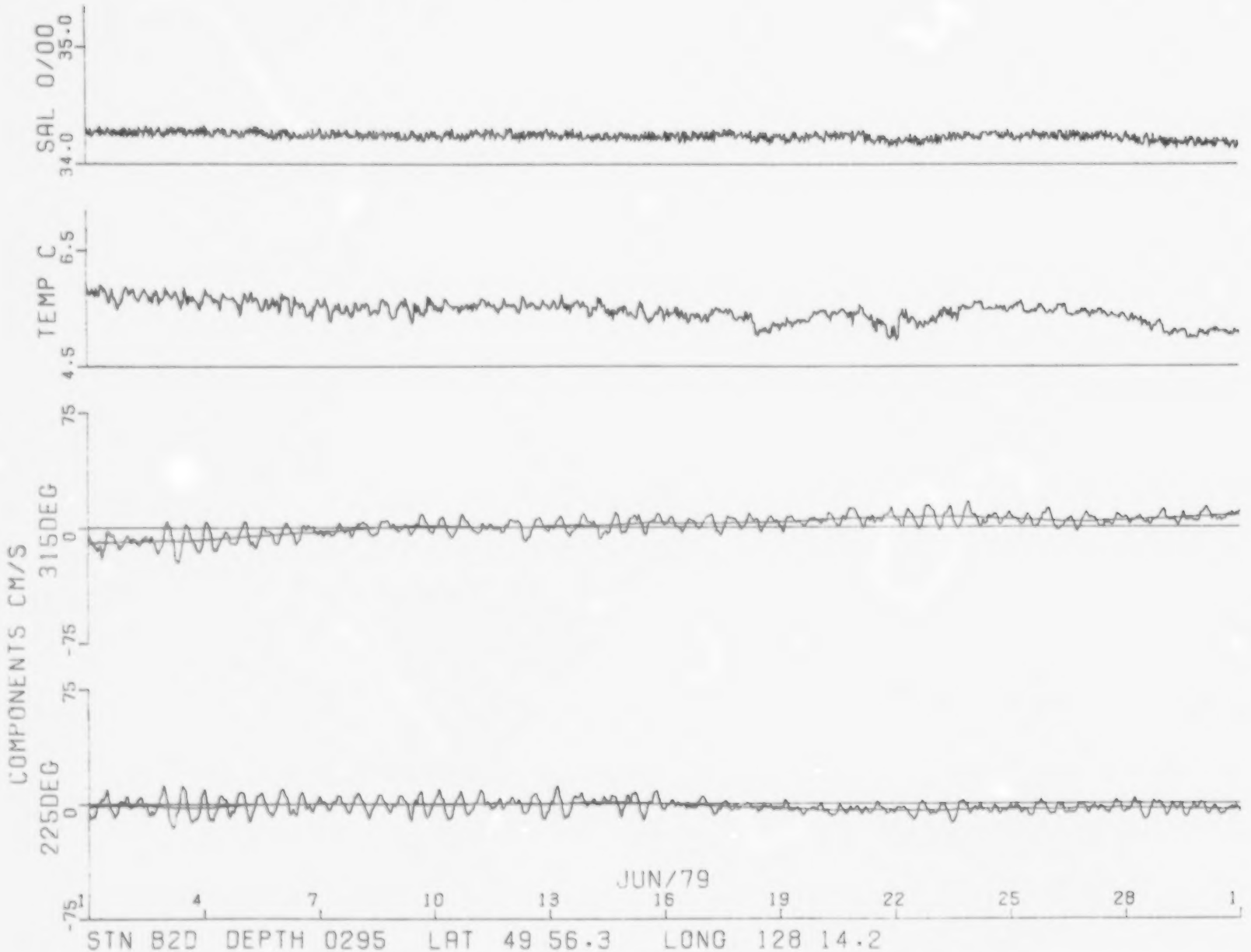
ⓞODD NUMBERED DAYS
ⓔEVEN NUMBERED DAYS

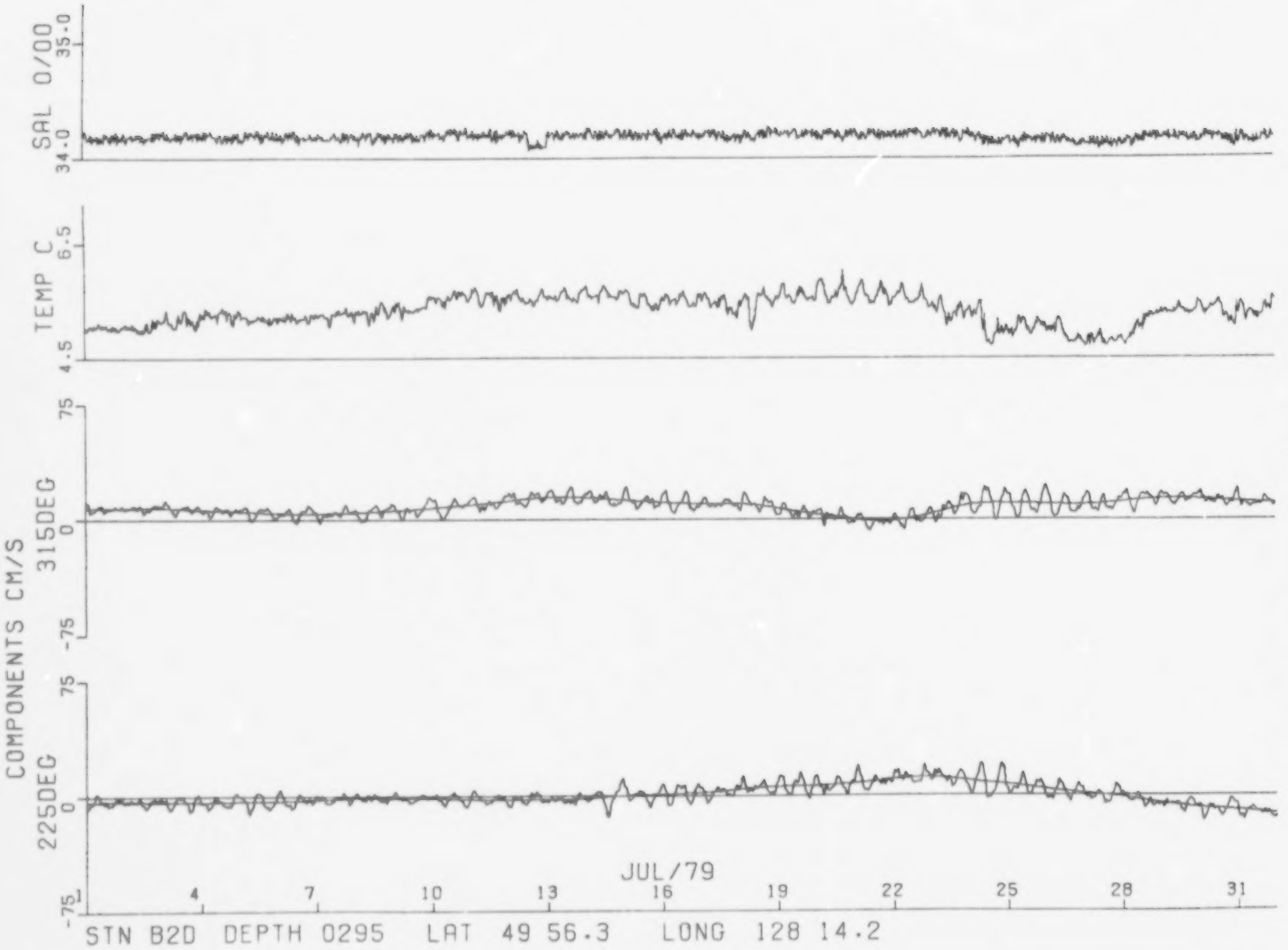
STN	DEPTH	AREA	DAY/YR	NO DAYS
801	0113M	8700	131/79	129

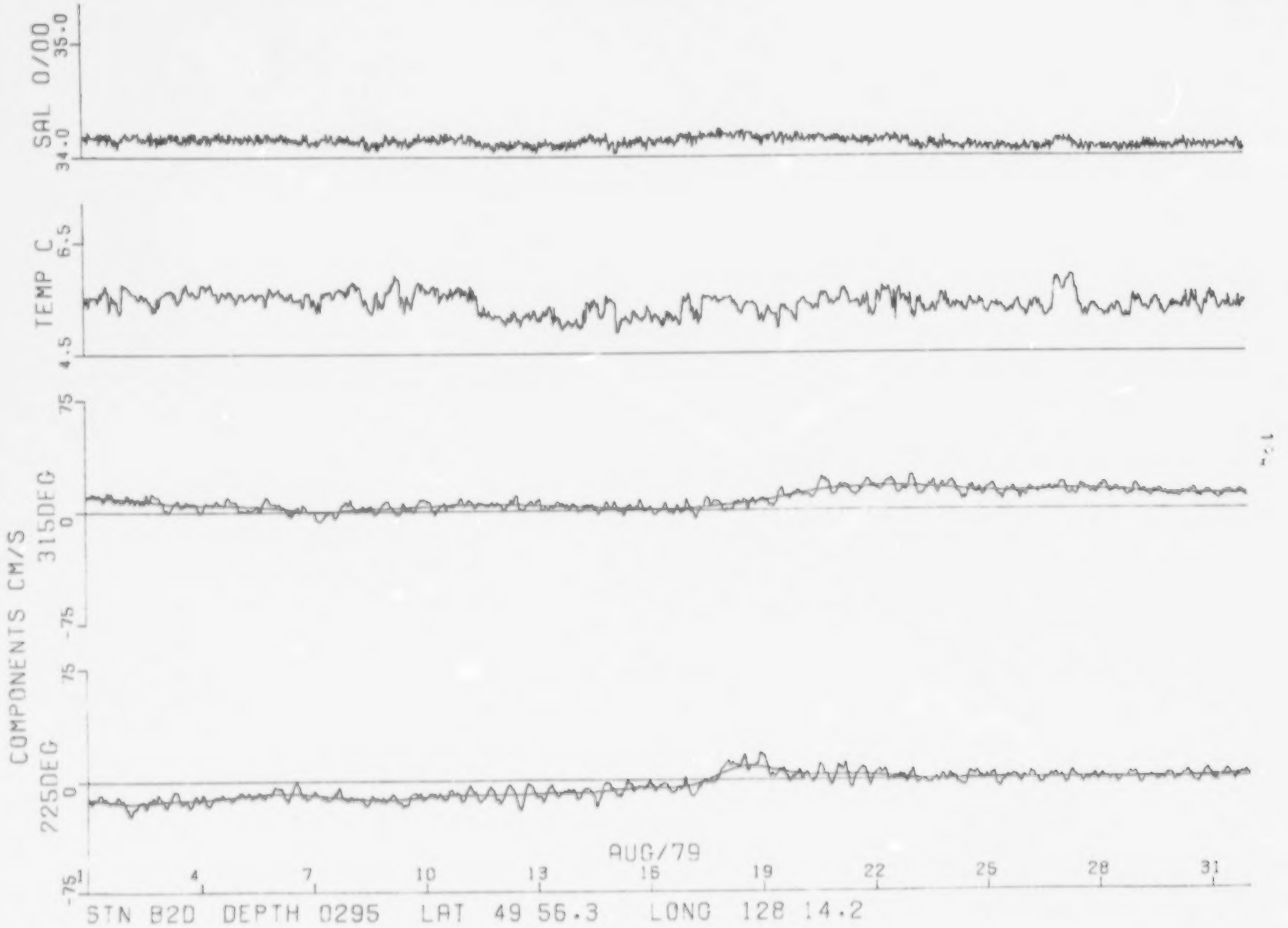
SCALE ⊢——————⊣
100 KM

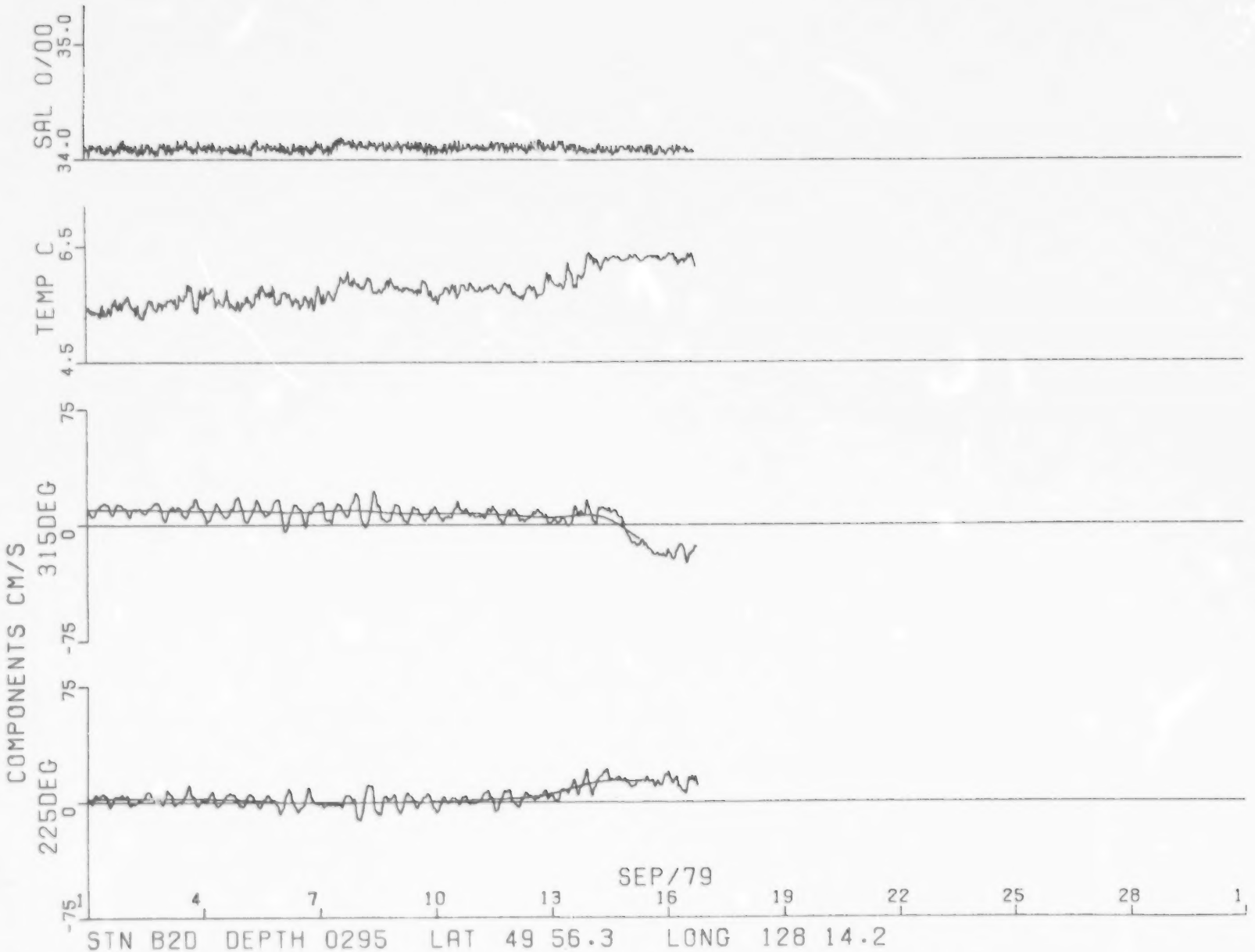

STATION B01
DEPTH 113 METRES
START OF RECORD 11/ 5/1979
DURATION 129 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN B2D DEPTH 0295 LAT 49 56.3 LONG 128 14.2
MAY/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
4.5
6.5
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
1
4
7
10
13
16
19
22
25
28
1
STN B2D DEPTH 0295 LAT 49 56.3 LONG 128 14.2


SAL 0/00
35.0
34.0
TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
JUL/79
STN B2D DEPTH 0295 LAT 49 56.3 LONG 128 14.2


SAL 0/00
35.0
34.0
TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN B2D DEPTH 0295 LAT 49 56.3 LONG 128 14.2


SAL 0/00
35.0
34.0
TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN B20 DEPTH 0295 LAT 49 56.3 LONG 128 14.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B2D Depth 0295 BROOKS PENINSULA B2D 49 56.3 N 128 14.2 W Length of record=128 Days
Start of record 30 mn 15 hr 11 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	026	100	040	050	003																					219
10- 19	042	087	085	039	005																					258
20- 29	024	088	076	034	008	001																				231
30- 39	031	063	081	017	001																					193
40- 49	022	052	060	009																						143
50- 59	035	050	028	003																						116
60- 69	021	030	016	001																						68
70- 79	018	022	015	002																						57
80- 89	026	019	010																							55
90- 99	015	021	018	005																						59
100-109	018	038	026	005																						87
110-119	017	024	022	008	004																					75
120-129	018	032	022	009	007																					88
130-139	014	031	043	020	004	002																				114
140-149	023	037	051	022	010	001																				144
150-159	017	039	064	033	009	002																				164
160-169	013	043	067	032	016	004																				175
170-179	012	045	047	033	024	006																				167
180-189	012	045	046	022	004	002																				131
190-199	010	025	022	005																						62
200-209	017	029	016	001																						63
210-219	019	044	021	003																						87
220-229	015	026	029	008																						78
230-239	019	032	024	010																						85
240-249	021	044	033	021	007																					126
250-259	021	046	027	024	008	001																				127
260-269	024	060	028	007	005																					124
270-279	035	071	026	011	002																					145
280-289	031	067	052	024	003																					177
290-299	035	091	099	029	003																					257
300-309	031	130	166	050	013																					390
310-319	031	160	190	087	005																					473
320-329	033	178	182	083	008																					484
330-339	035	146	109	049	002																					341
340-349	043	154	099	017	006																					319
350-359	033	148	059	024	004																					268
	2317		797		19		0		0		0		0		0		0		0		0		0		0	6150
	857	1999		161		0		0		0		0		0		0		0		0		0		0		

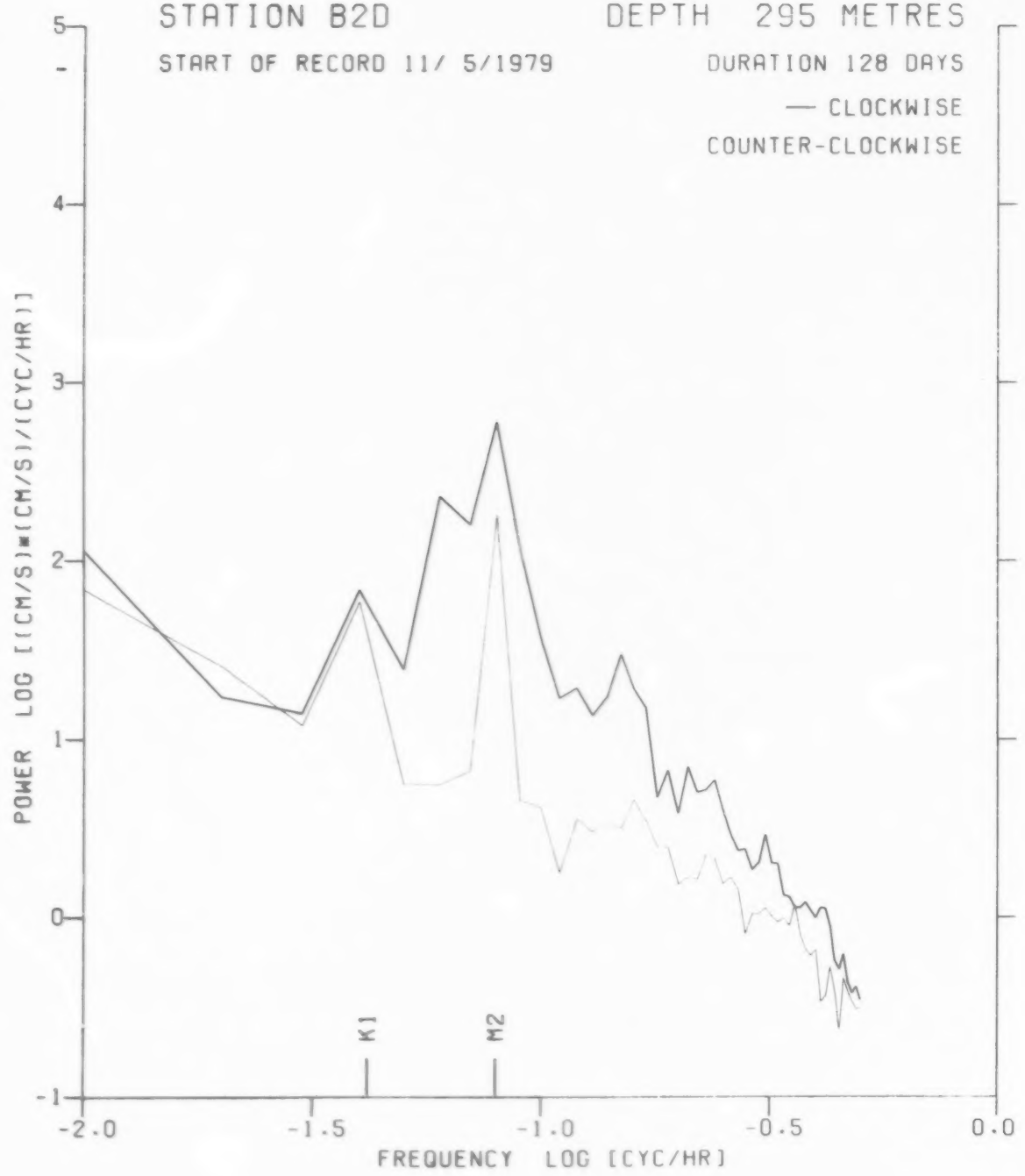
Number of zero rates: 0

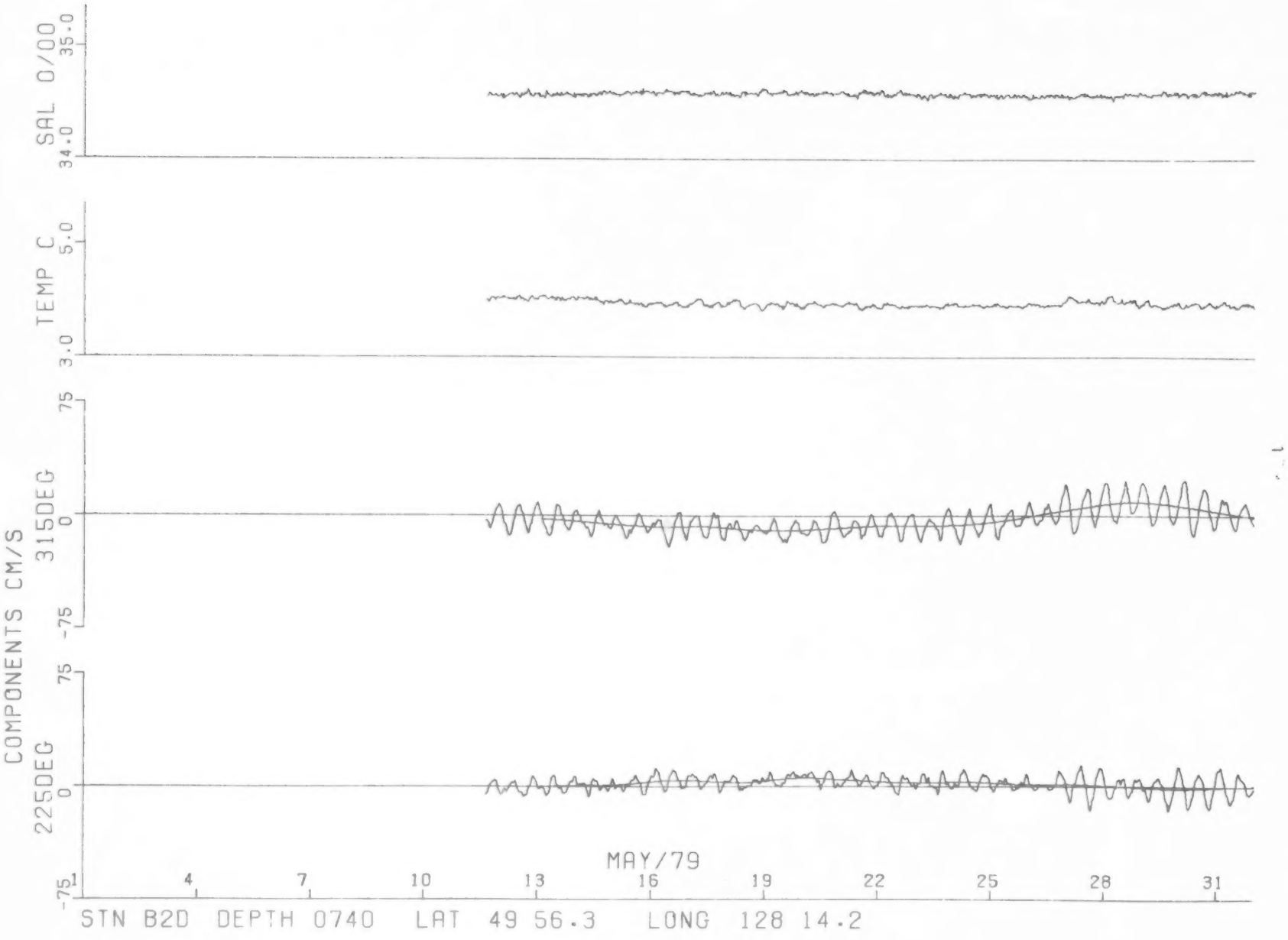
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

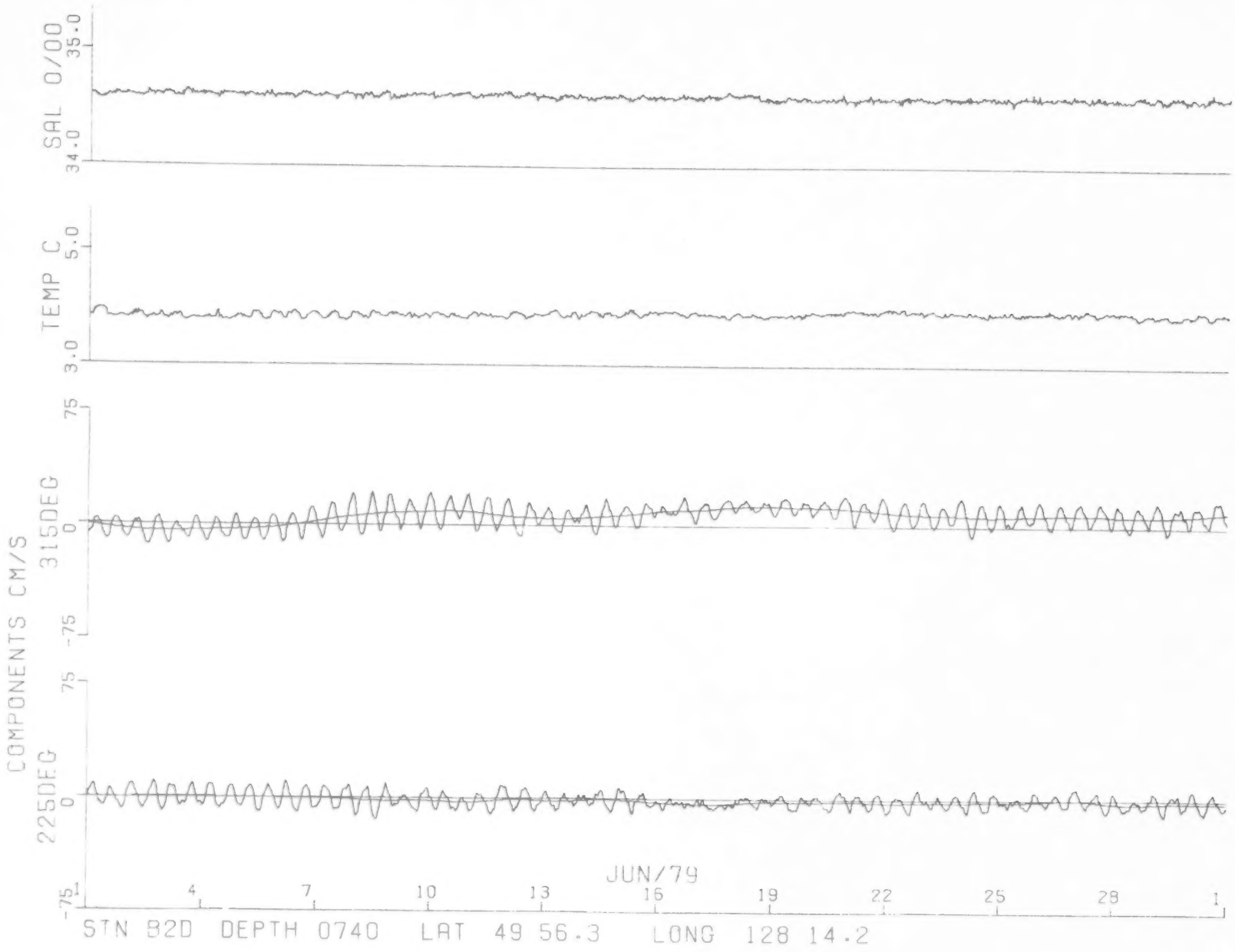
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

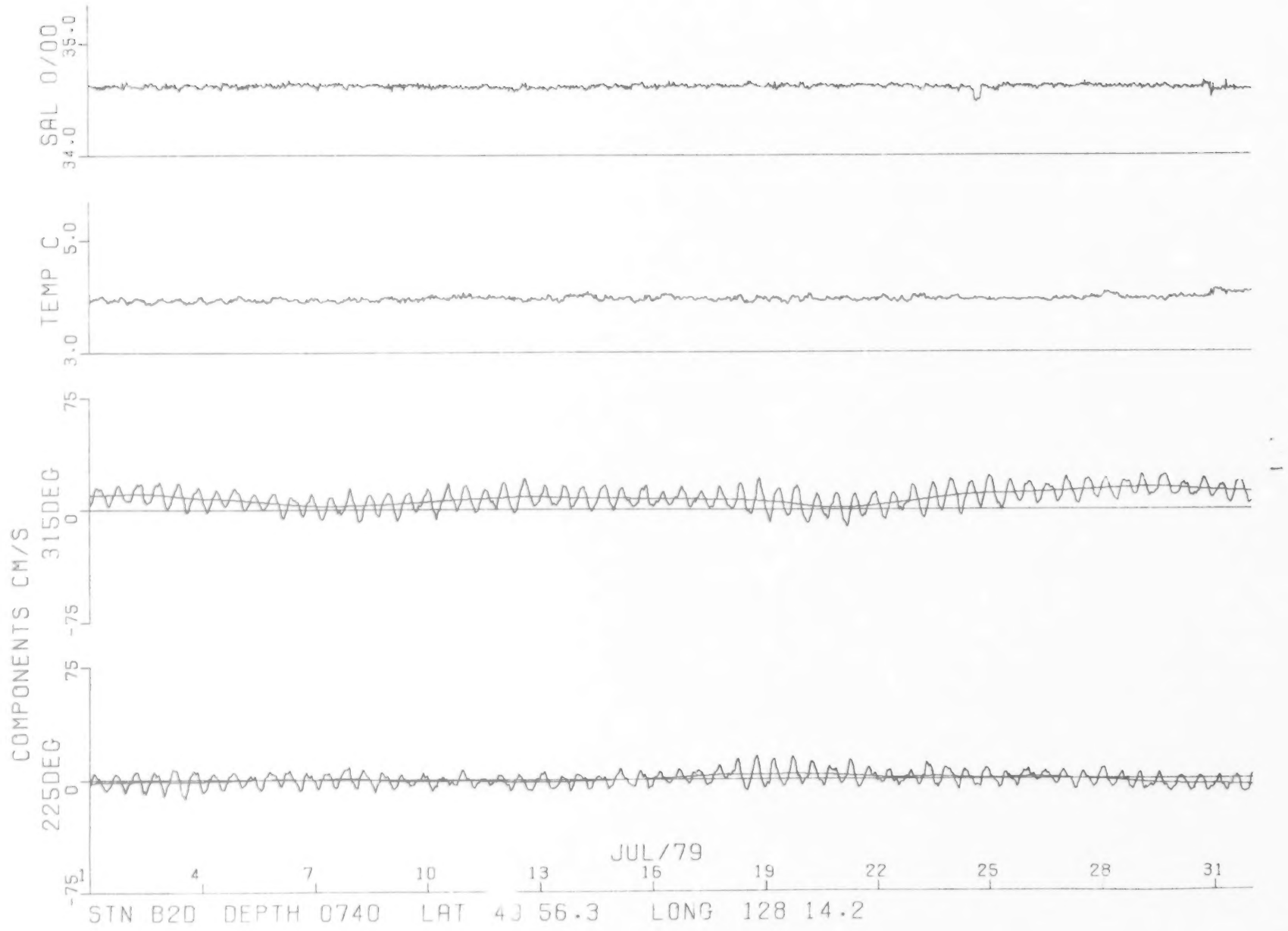
STN	DEPTH	AREA	DAY/YR	NO DAYS
B2D	0295M	8700	131/79	128

SCALE
100 KM


STATION B2D
DEPTH 295 METRES
START OF RECORD 11/ 5/1979
DURATION 128 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
MAY/79
STN B2D DEPTH 0740 LAT 49 56.3 LONG 128 14.2


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
1
STN 82D DEPTH 0740 LAT 49 56.3 LONG 128 14.2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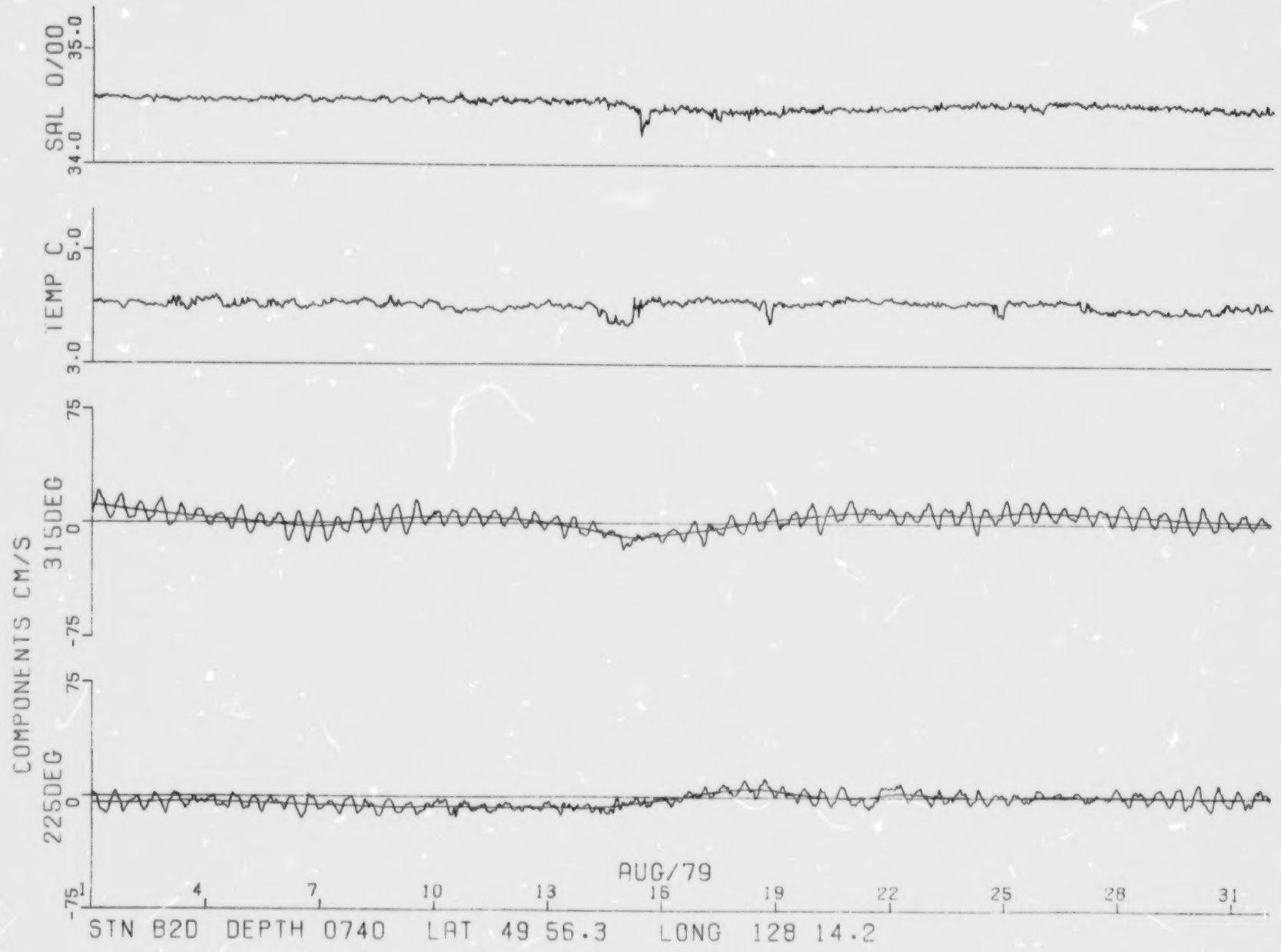
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN B20 DEPTH 0740 LAT 49 56.3 LONG 128 14.2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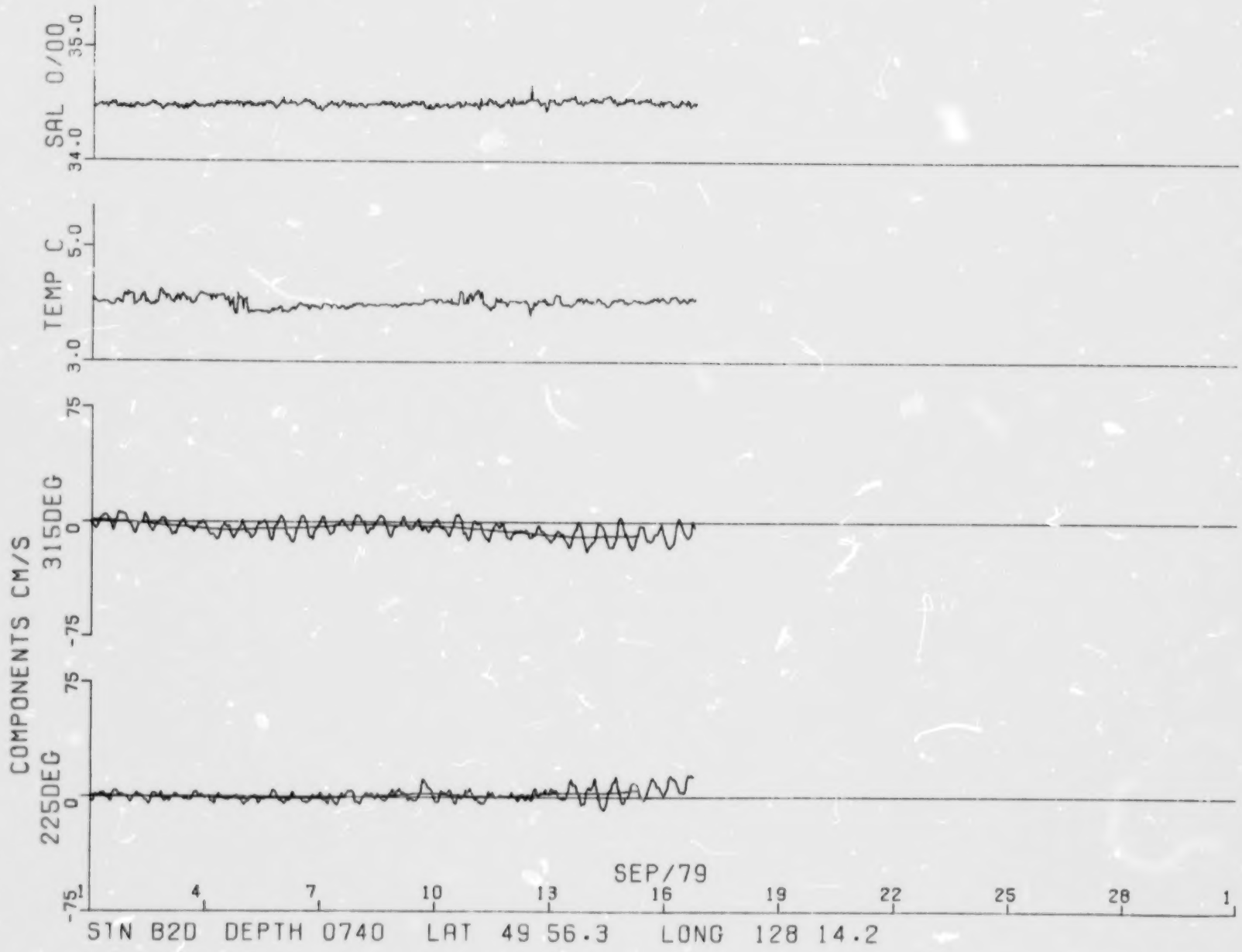
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN B2D DEPTH 0740 LAT 49 56.3 LONG 128 14.2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34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
1
S1N B2D DEPTH 0740 LAT 49 56.3 LONG 128 14.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B2D Depth 0740 BROOKS PENINSULA B2D 49 56.3 N 128 14.2 W Length of record=128 Days
Start of record 30 mn 15 hr 11 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	052	121	054	005																						232
10- 19	042	086	032	007																						167
20- 29	037	077	022	003																						139
30- 39	041	054	015																							110
40- 49	035	050	014																							99
50- 59	037	050	011																							98
60- 69	042	052	010																							104
70- 79	042	053	015																							110
80- 89	038	053	021																							112
90- 99	036	047	025																							108
100-109	039	055	032	001																						127
110-119	033	075	047	006																						161
120-129	034	078	054	013																						179
130-139	036	098	061	015	001																					211
140-149	027	073	060	027	001																					188
150-159	031	072	035	020																						158
160-169	032	053	045	020																						150
170-179	039	058	026	010	004																					137
180-189	030	042	030	006																						108
190-199	027	055	021	005																						108
200-209	026	041	019																							86
210-219	025	033	012																							70
220-229	026	035	011																							72
230-239	029	041	008																							78
240-249	029	045	012	002																						88
250-259	027	037	007	005																						76
260-269	043	052	007	004																						106
270-279	040	084	025	009	002																					160
280-289	045	082	063	015	002																					207
290-299	035	114	119	045	004																					317
300-309	046	099	145	097	017																					404
310-319	039	095	175	119	021																					449
320-329	039	097	141	093	018																					388
330-339	036	098	121	055	014																					324
340-349	043	110	105	033																						291
350-359	043	092	075	018																						228
	2457		633		0		0		0		0		0		0		0		0		0		0		0	6150
	1301		1675		84		0		0		0		0		0		0		0		0		0		0	

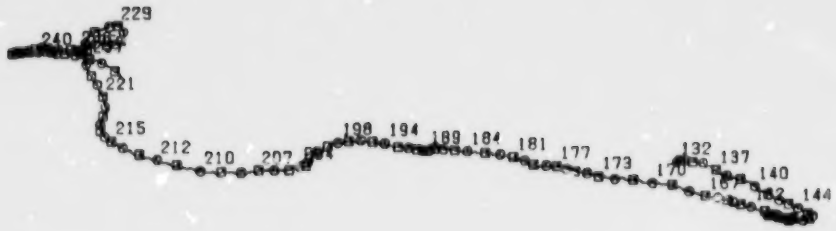
Number of zero rates: 0

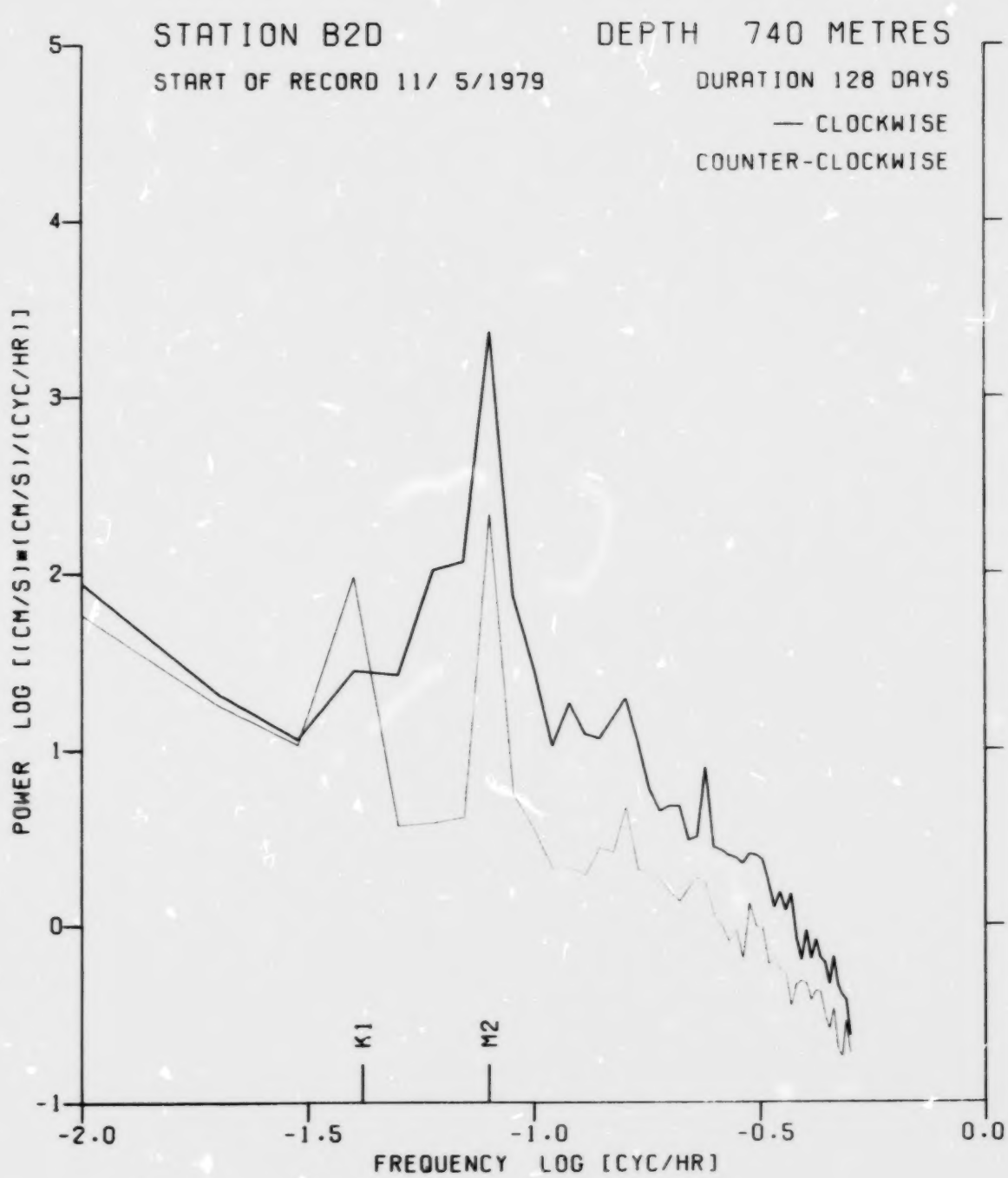
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

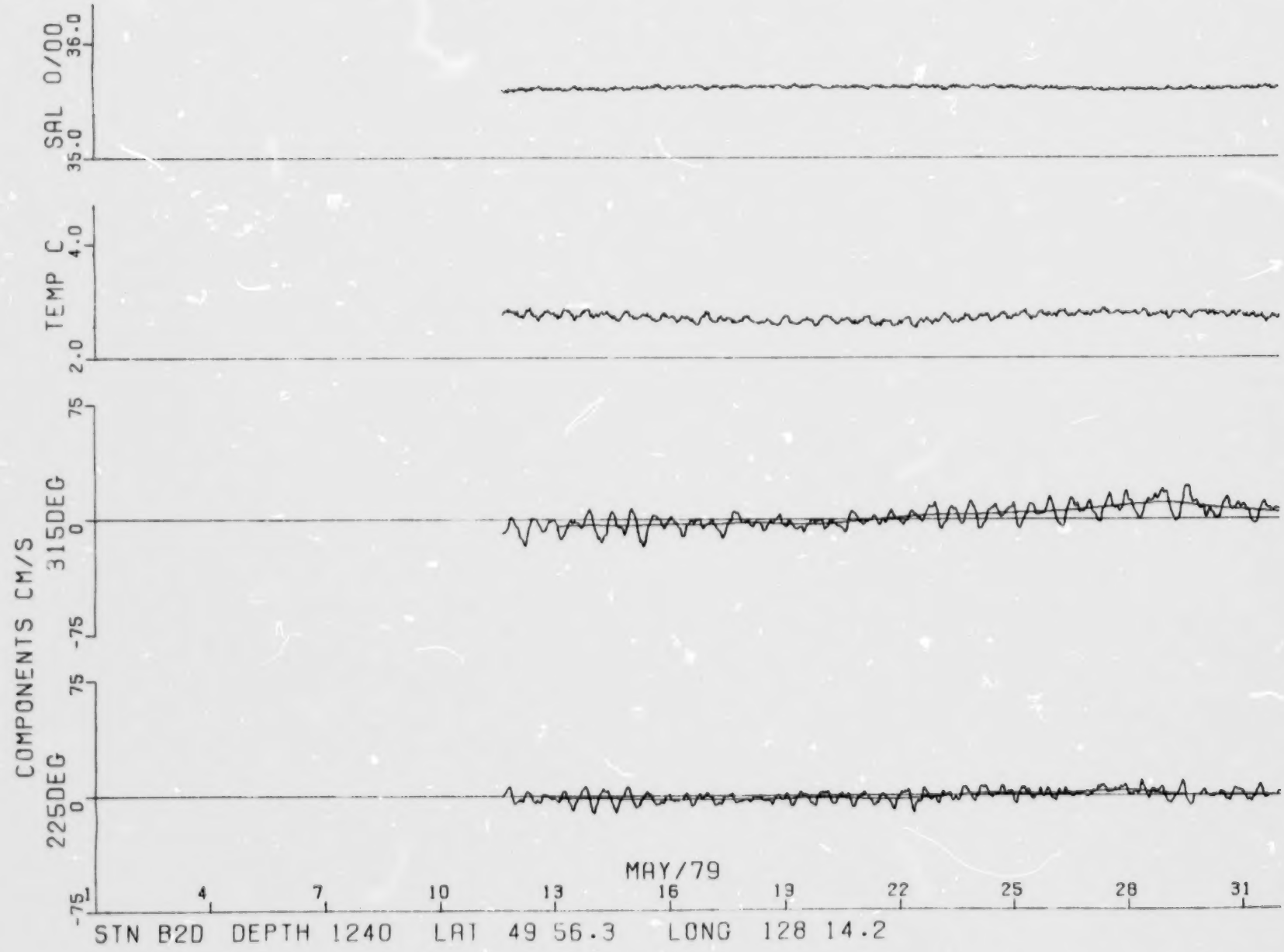
ⓞODD NUMBERED DAYS
ⓔEVEN NUMBERED DAYS

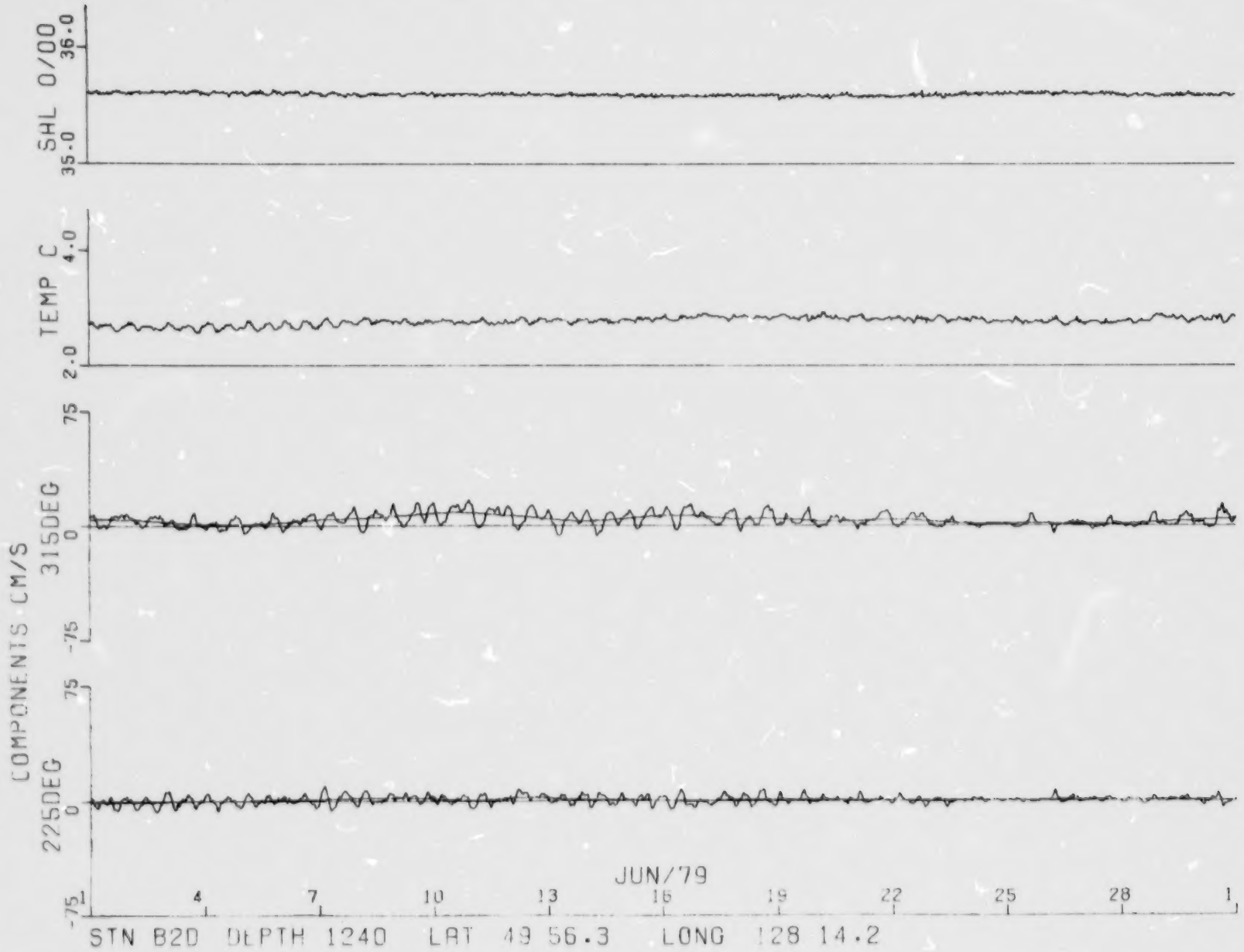
STN	DEPTH	AREA	DAY/YR	NO DAYS
820	0740M	8700	131/79	128

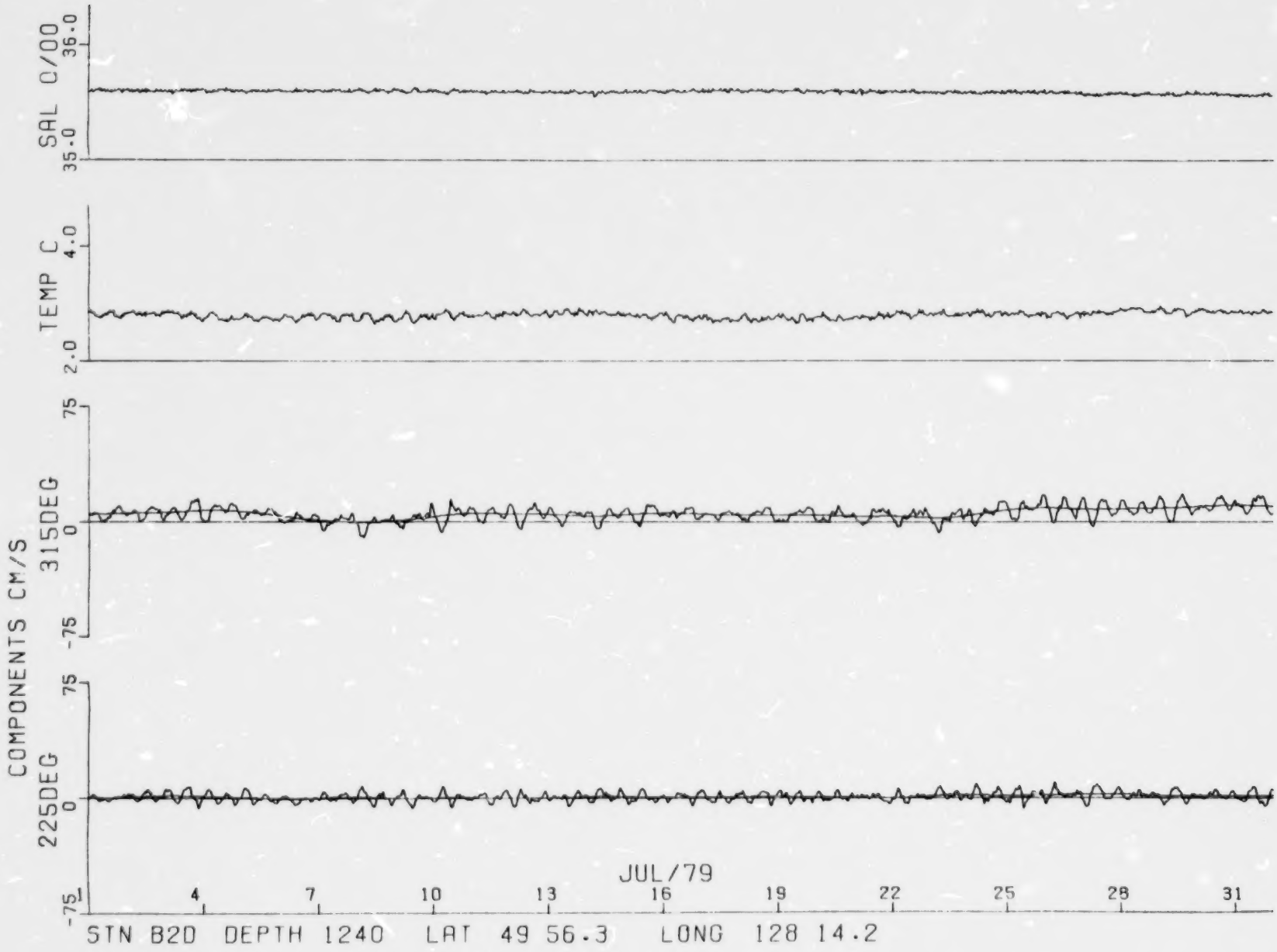
SCALE ⊢—•—•—•—⊣
100 KM

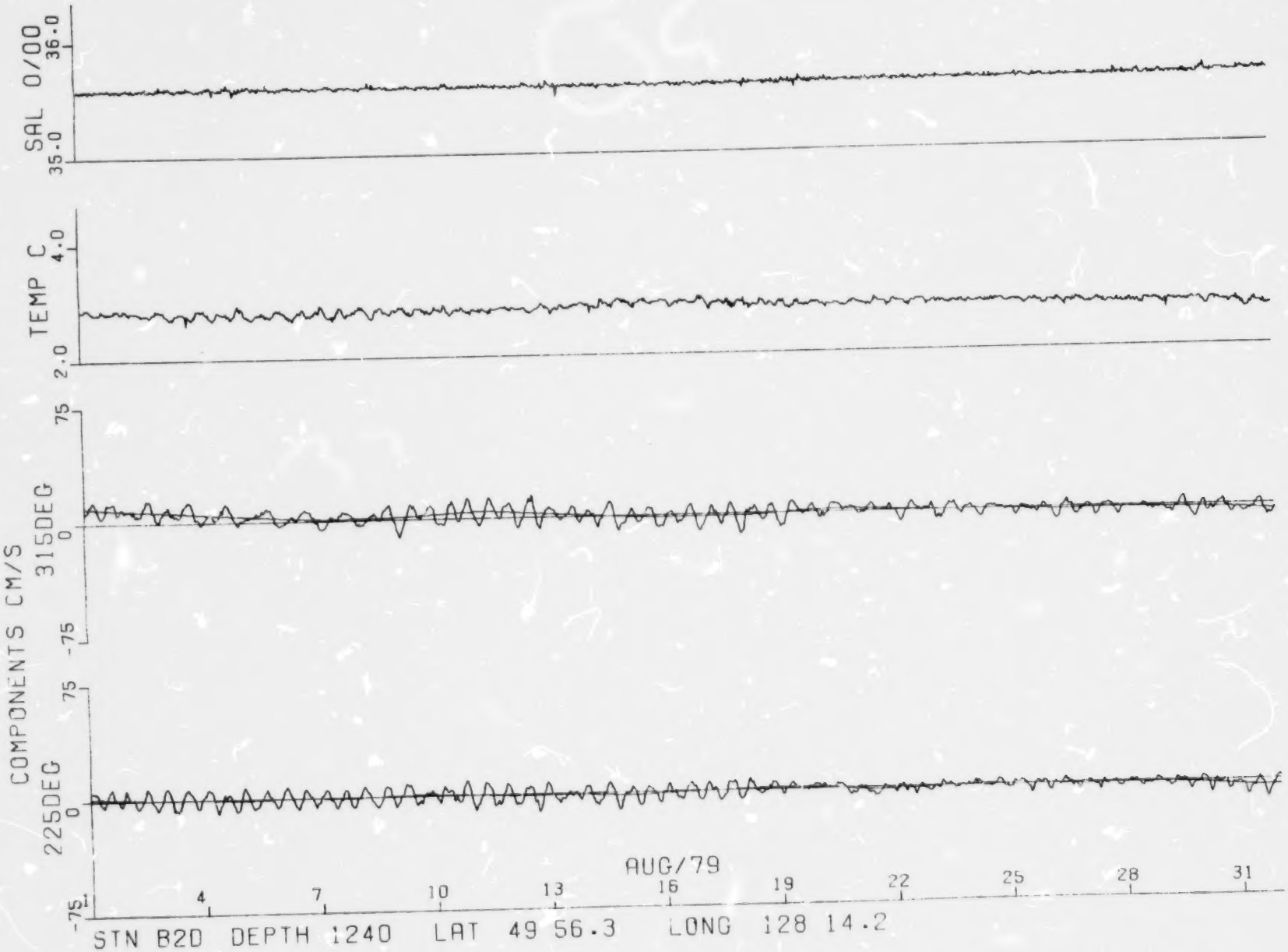



STATION B2D
DEPTH 740 METRES
START OF RECORD 11/ 5/1979
DURATION 128 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
36.0
35.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN B2D DEPTH 1240 LAT 49 56.3 LONG 128 14.2


SHL 0/00
36.0
35.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
1
STN B2D DEPTH 1240 LAT 49 56.3 LONG 128 14.2


SAL O/OO
36.0
35.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN B2D DEPTH 1240 LAT 49 56.3 LONG 128 14.2


SAL 0/00
36.0
35.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/79
1
4
7
10
13
16
19
22
25
28
31
STN B2D DEPTH 1240 LAT 49 56.3 LONG 128 14.2

STN B2D DEPTH 1240 LAT 49 56.3 LONG 128 14.2
SEP/79
1 4 7 10 13 16 19 22 25 28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75 0 -75
2.0 4.0
35.0 36.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B2D Depth 1240 BROOKS PENINSULA 49 56.3 N 128 14.2 W Length of record=128 Days
Start of record 30 mn 15 hr 11 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	104	081	005																							190
10- 19	091	060	007																							158
20- 29	077	050	003																							130
30- 39	046	019	003																							68
40- 49	068	023	003																							94
50- 59	055	021	005																							81
60- 69	050	022	005																							77
70- 79	056	026	005	001																						88
80- 89	063	023	004																							90
90- 99	048	034	002																							84
100-109	061	047	007																							115
110-119	063	030	005																							98
120-129	068	034	020																							122
130-139	085	048	007	005																						145
140-149	076	052	010	003																						141
150-159	075	051	011																							137
160-169	094	044	007																							145
170-179	069	042	005																							116
180-189	074	022	001																							97
190-199	068	039																								107
200-209	066	037																								103
210-219	061	021																								82
220-229	057	026																								83
230-239	059	032																								91
240-249	063	041	001																							105
250-259	079	037	001																							117
260-269	087	064	003																							154
270-279	088	079	012																							179
280-289	101	131	029	001																						262
290-299	138	219	064	014																						435
300-309	153	255	098	025																						537
310-319	140	232	123	021	001																					517
320-329	158	209	083	016	003																					469
330-339	112	142	059	007	003																					323
340-349	090	103	029	002																						224
350-359	091	088	007																							186
	2484		95		0		0		0		0		0		0		0		0		0		0			6150
	2940		624		7		0		0		0		0		0		0		0		0		0			

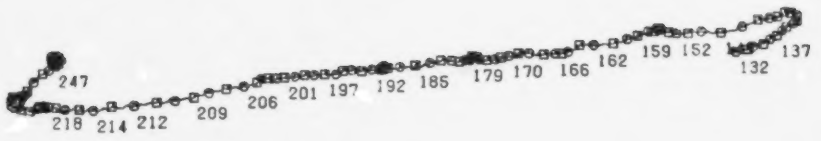
Number of zero rates: 0

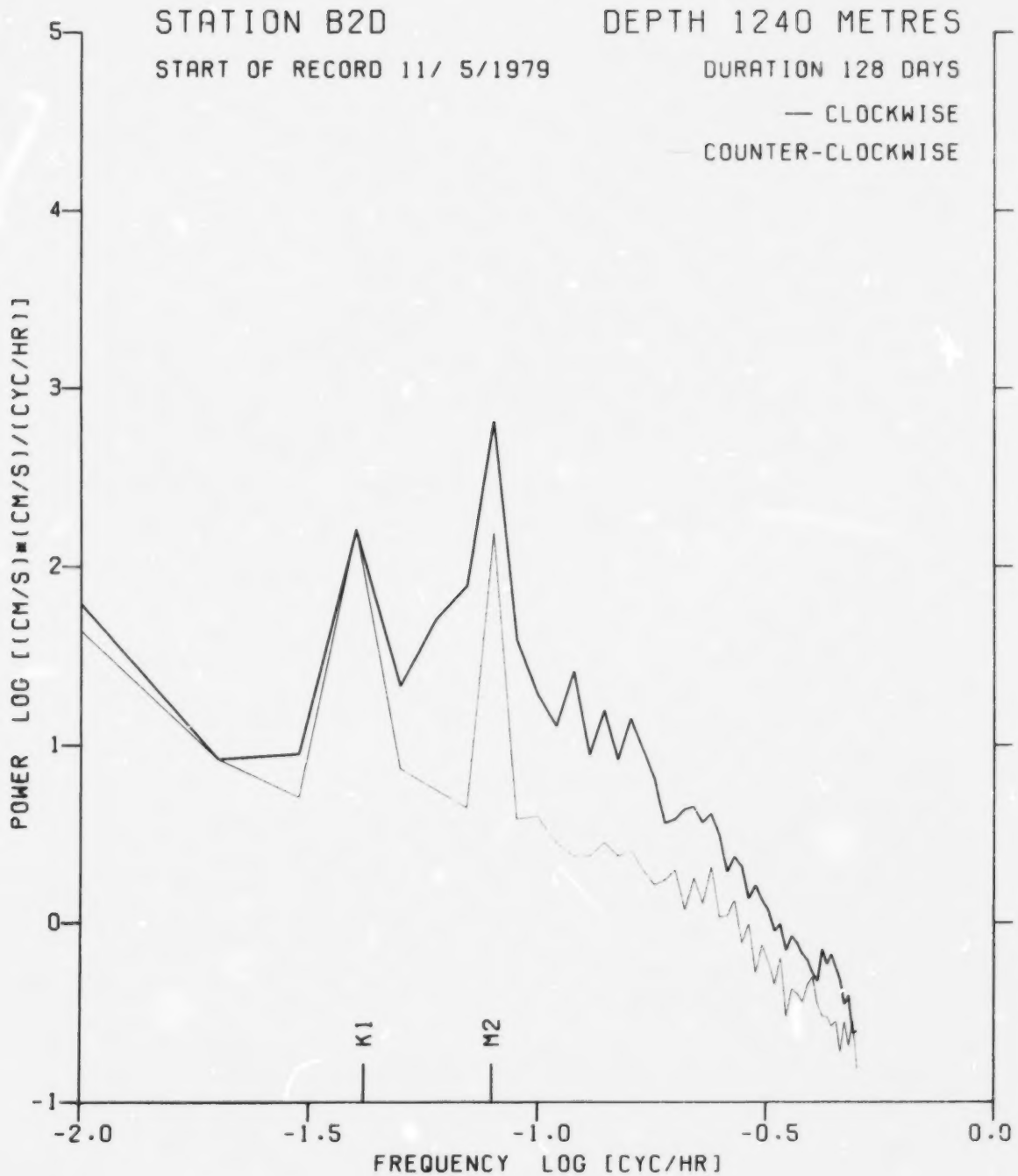
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

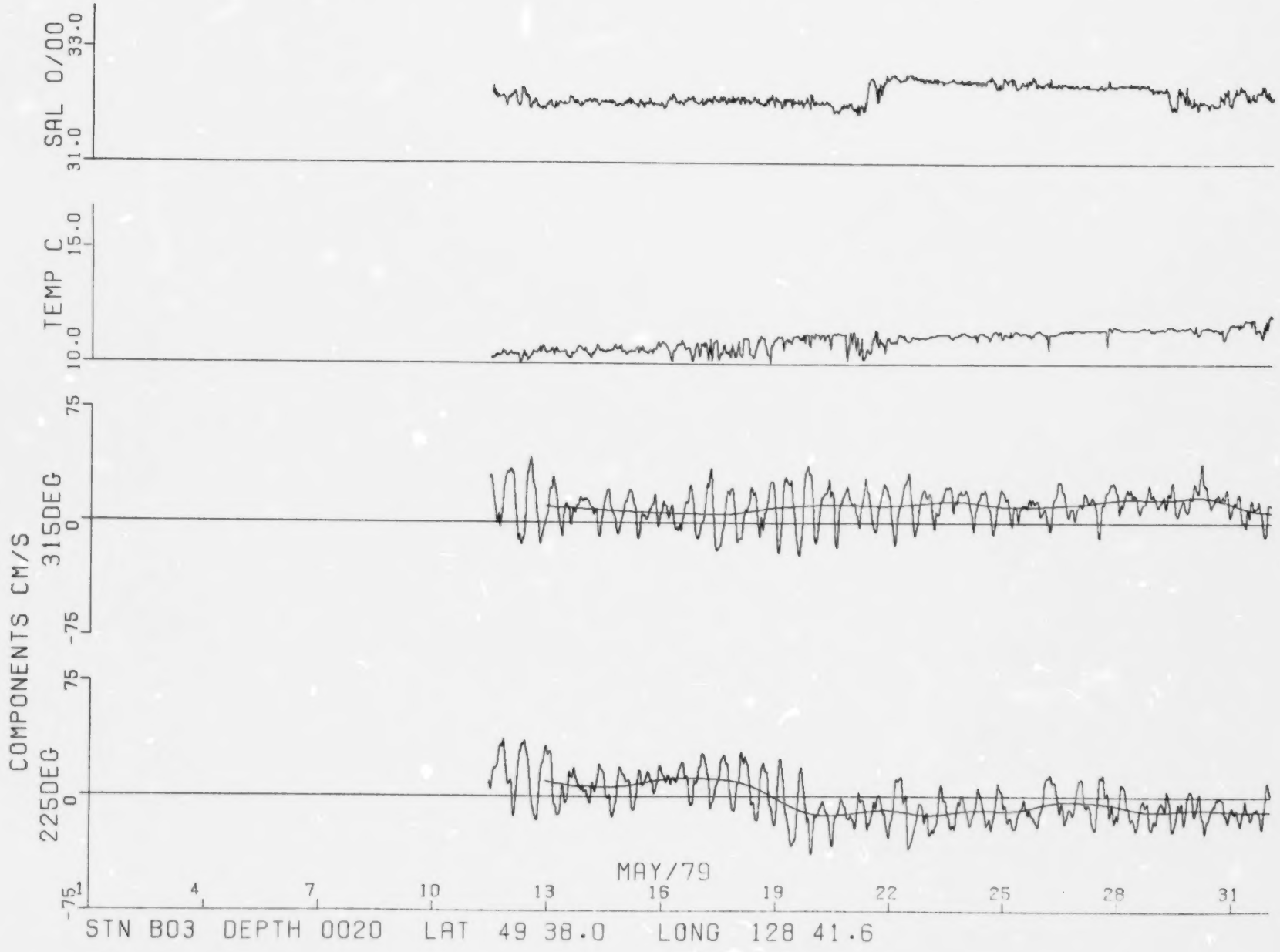
☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
B2D	1240M	8700	131/79	128

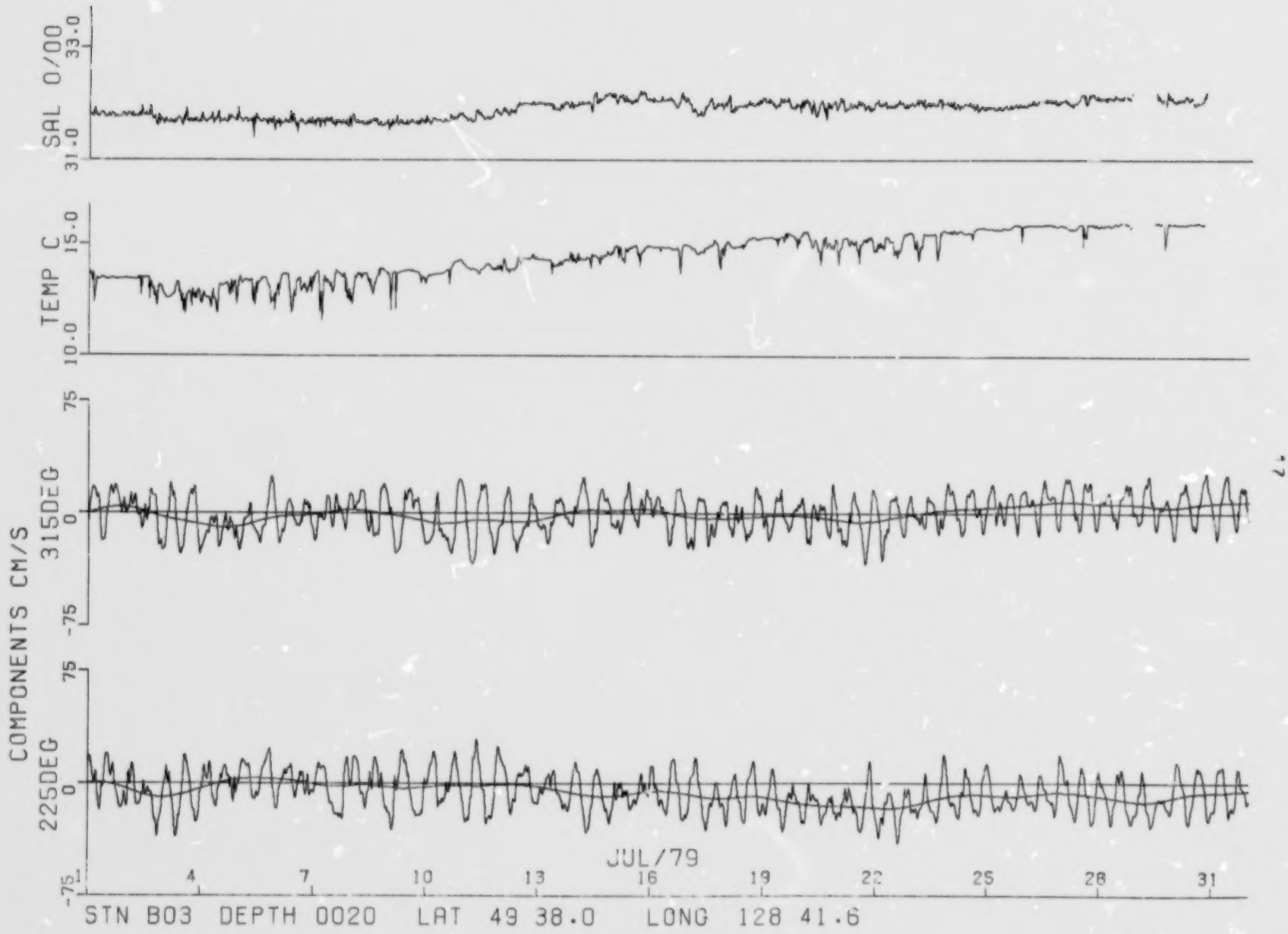
SCALE ⊢——————⊣
100 KM




STATION B2D
DEPTH 1240 METRES
START OF RECORD 11/ 5/1979
DURATION 128 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.0
31.0
TEMP C
15.0
10.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
1
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0020 LAT 49 38.0 LONG 128 41.6

STN BC3 DEPTH 0020 LAT 49 38.0 LONG 128 41.6
JUN/79
1
4
7
10
13
15
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
10.0
15.0
31.0
33.0


SAL 0/00
33.0
31.0
TEMP C
15.0
10.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0020 LAT 49 38.0 LONG 128 41.6

STN B03 DEPTH 0020 LAT 49 38.0 LONG 128 41.6
AUG/79
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
925DIR.G
75
0
-75
315DIR.G
75
0
-75
TEMP C
10.0
15.0
SAL 0/00
31.0
33.0

STN B03 DEPTH 0020 LAT 49 38.0 LONG 126 41.6
SEP/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
10.0
15.0
SAL 0/00
31.0
33.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn 803 Depth 0020 BROOKS PENINSULA 49 38.0 N 128 41.6 W Length of record=128 Days
Start of record 0 mn 11 hr 11 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	006	021	045	065	063	029	012	005																		246
10- 19	003	016	046	066	074	021	009	002	002																	239
20- 29	005	021	057	076	052	026	012	005	001																	255
30- 39	005	013	035	061	048	032	012	005	001																	212
40- 49	003	009	037	048	037	024	007	004	001																	170
50- 59	005	014	035	065	043	020	014	007																		203
60- 69	004	019	035	037	029	025	014	005	001																	169
70- 79		021	040	049	030	022	007	004	001																	174
80- 89	003	026	045	058	026	018	013	005																		194
90- 99	003	028	050	034	028	016	012	005																		176
100-109	005	025	045	036	027	007	003	002																		158
110-119	002	030	051	032	029	011	003																			158
120-129	004	028	027	039	019	009	002																			128
130-139	003	021	025	029	032	007	002																			119
140-149	005	018	033	027	019	007																				109
150-159	006	025	035	026	014	002																				108
160-169	009	024	028	013	011	001	001	002																		89
170-179	001	024	020	018	012	002	001																			78
180-189	008	014	023	012	011	002																				70
190-199	014	032	028	016	005	002	001																			98
200-209	018	035	026	022	010	004	003	002																		120
210-219	019	042	031	011	013	003																				119
220-229	019	047	021	017	011	006	002																			123
230-239	013	045	037	022	002	007	003																			129
240-249	016	057	041	025	016	006		002																		163
250-259	014	056	036	027	015	003	003	001	002																	157
260-269	012	044	056	041	014	008	003	003	001	001																183
270-279	006	037	057	049	010	009	002	001	004																	175
280-289	004	036	073	057	029	008	002	001		001																211
290-299	001	046	067	058	041	007	004	002		001																227
300-309	009	043	066	056	036	008	006	001	001																	226
310-319	006	024	064	061	032	010	005	003																		205
320-329	006	029	056	071	038	018	002	004																		224
330-339	002	015	076	084	051	018	007	005																		258
340-349	004	023	080	072	045	022	008	003																		257
350-359	003	015	073	057	047	015	013	006																		229
	1023		1537		435		85		3		0		0		0		0		0		0		0			6151
	246		1600		1019		188		15		0		0		0		0		0		0		0			

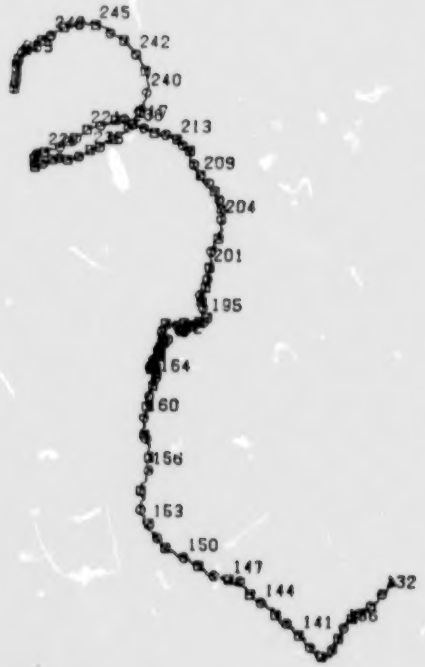
Number of zero rates: 0

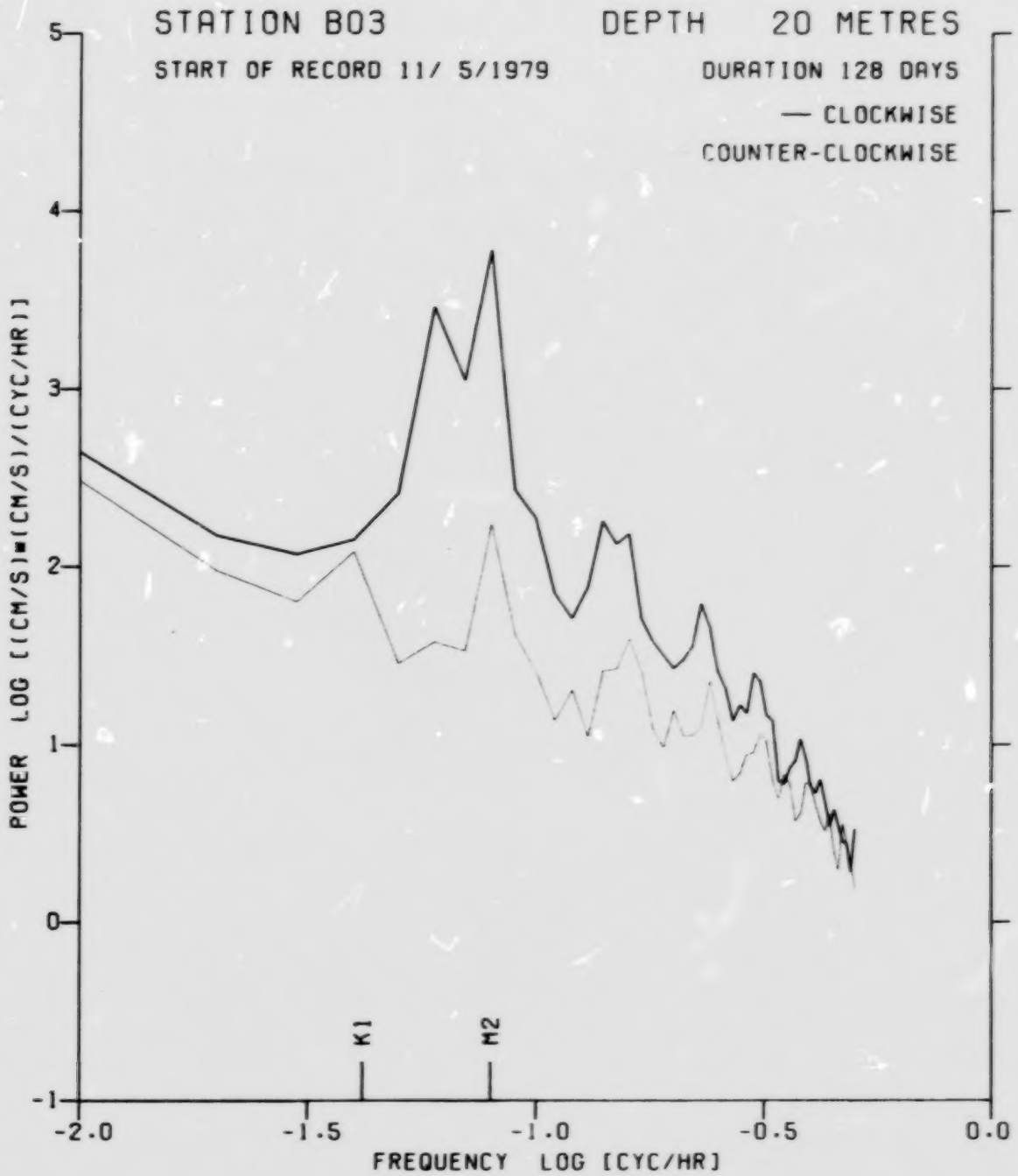
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

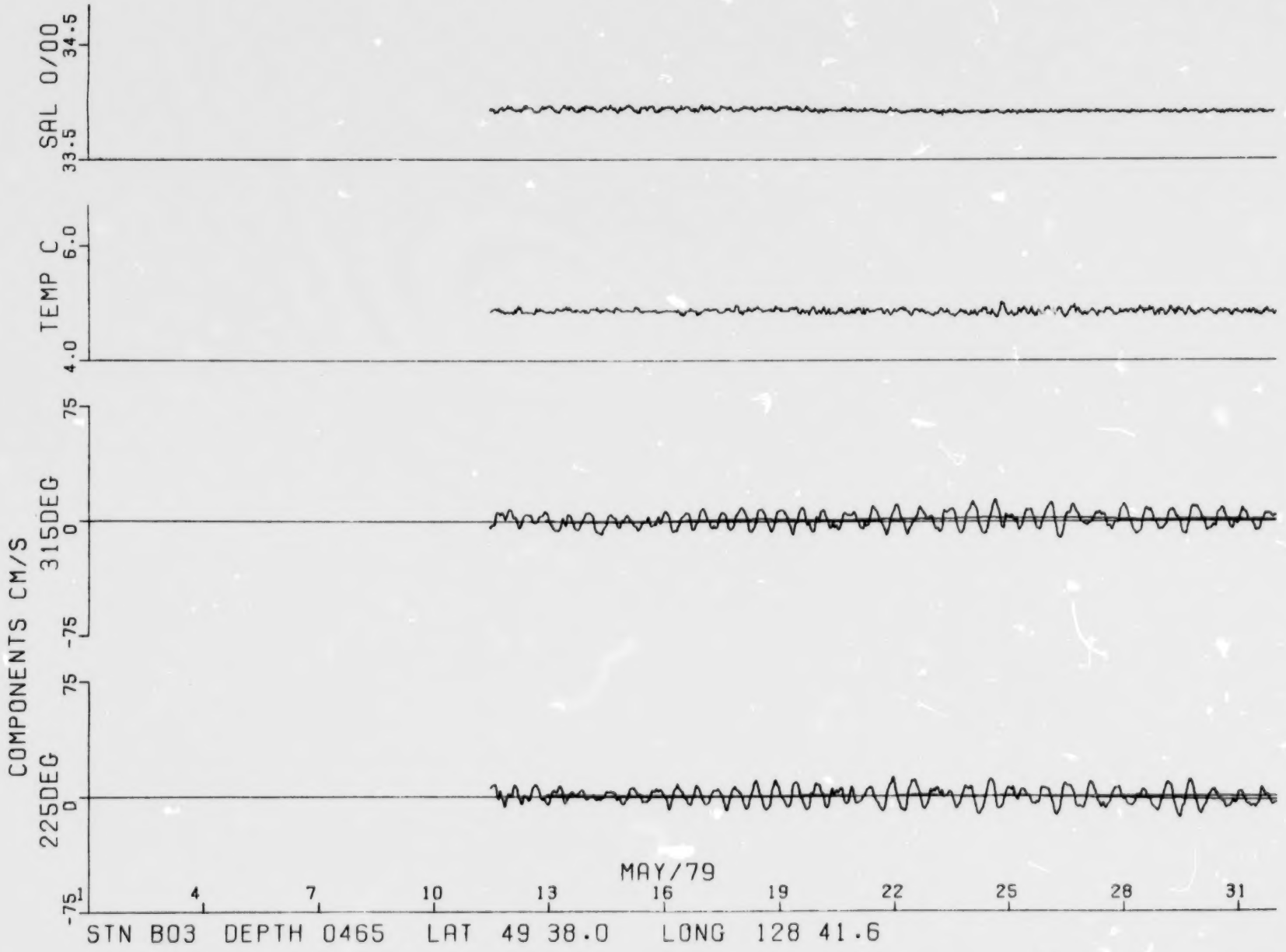
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

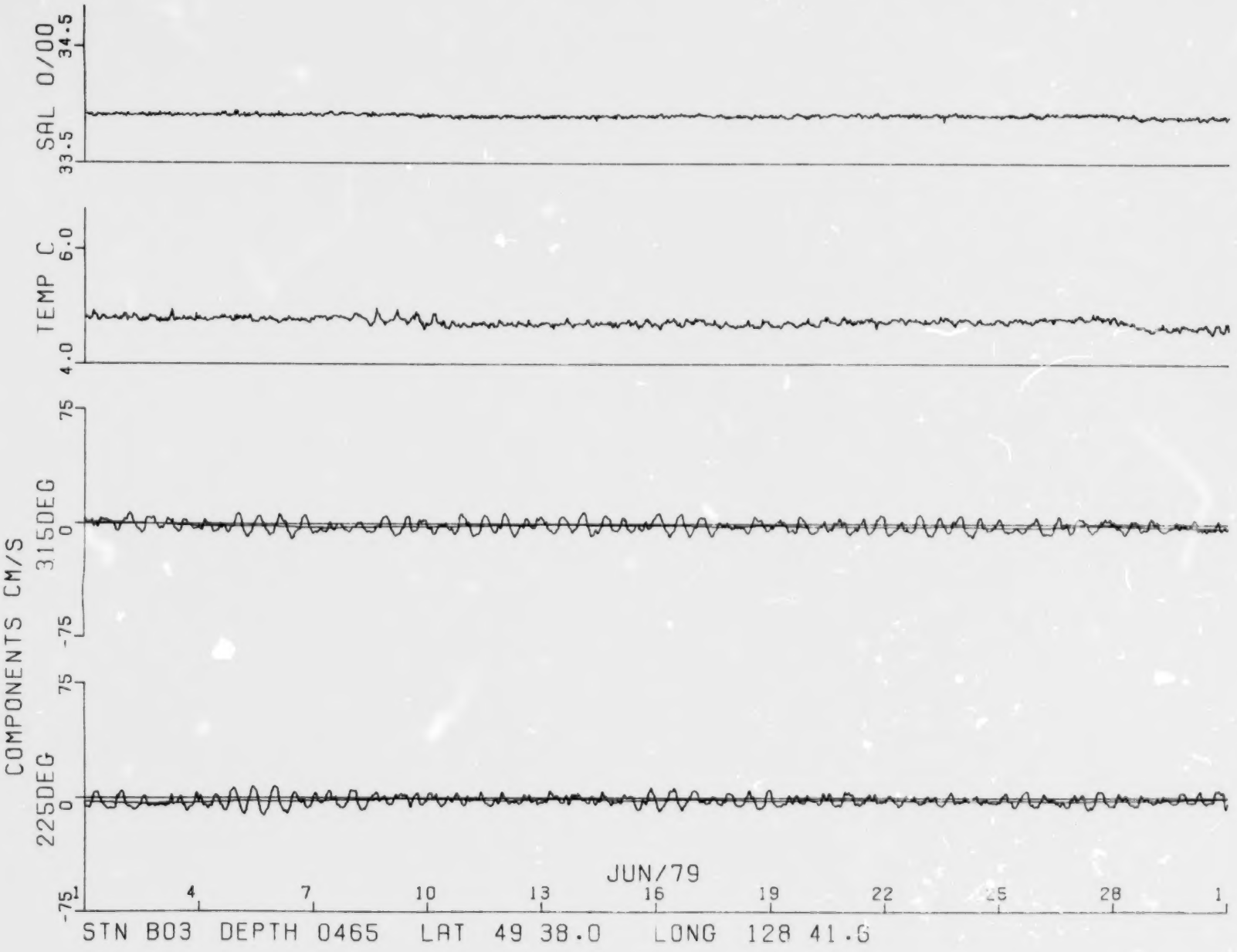
STN	DEPTH	AREA	DAY/YR	NO DAYS
B03	0020M	8700	131/79	128

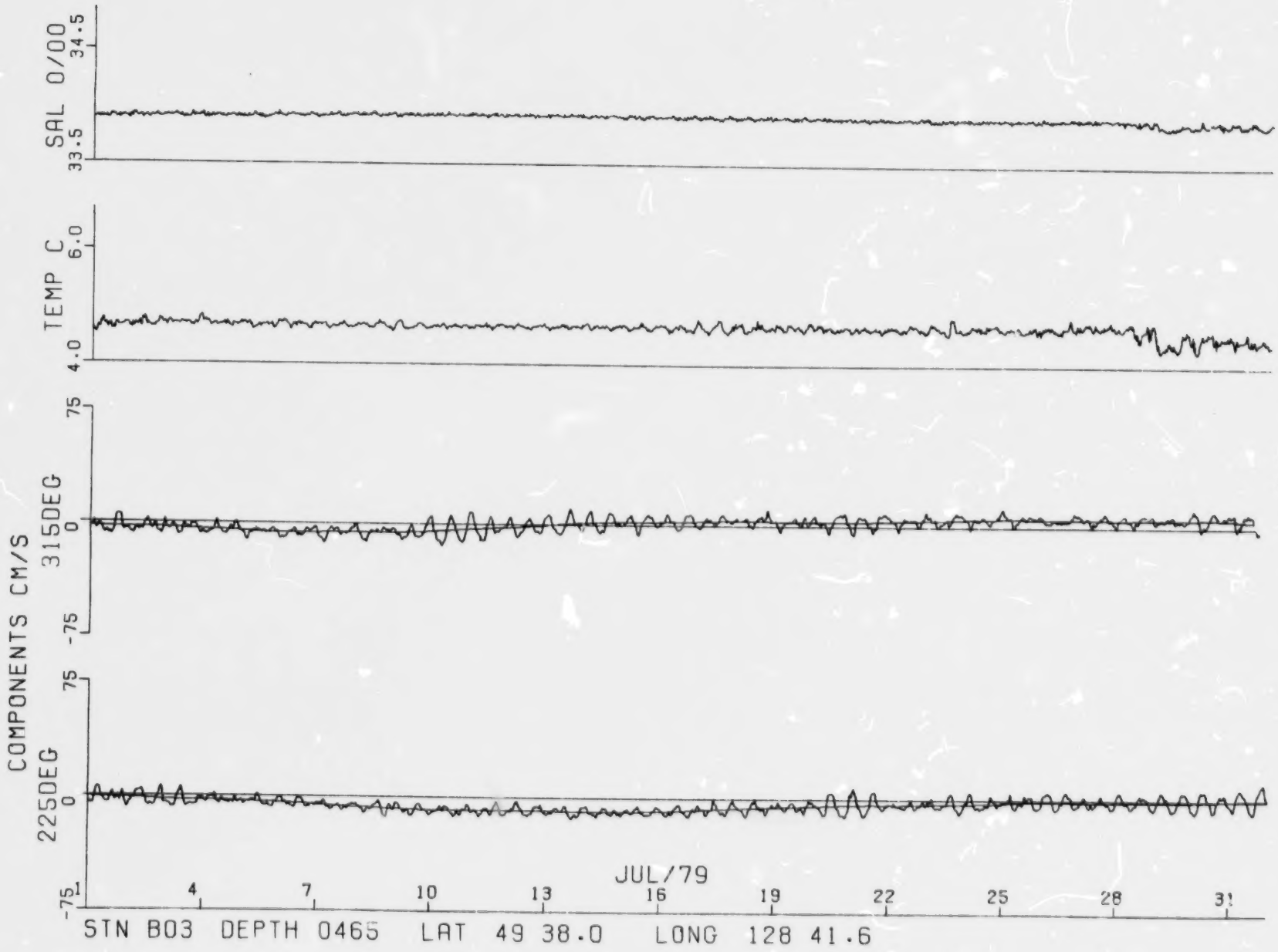
SCALE
100 KM

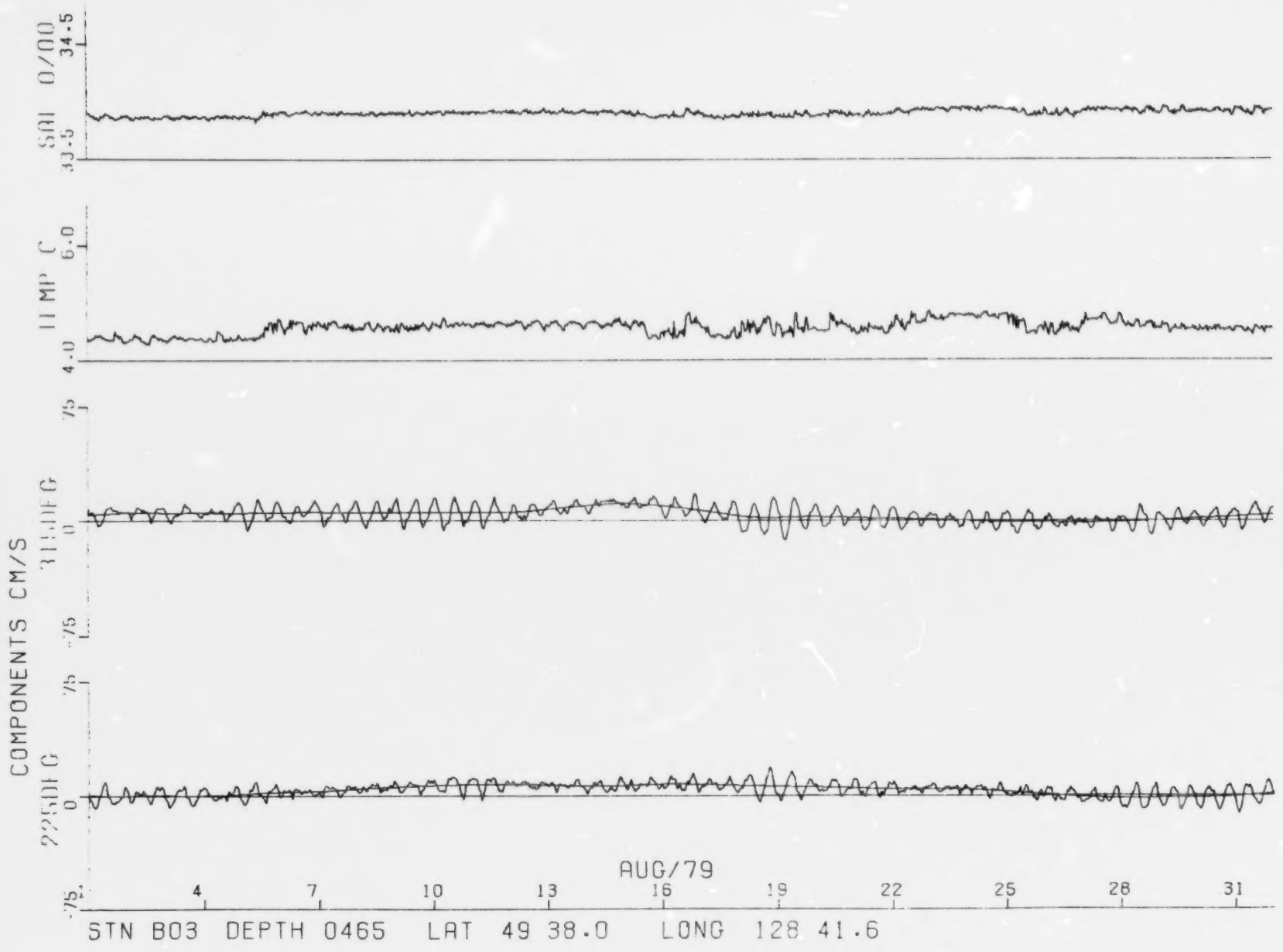


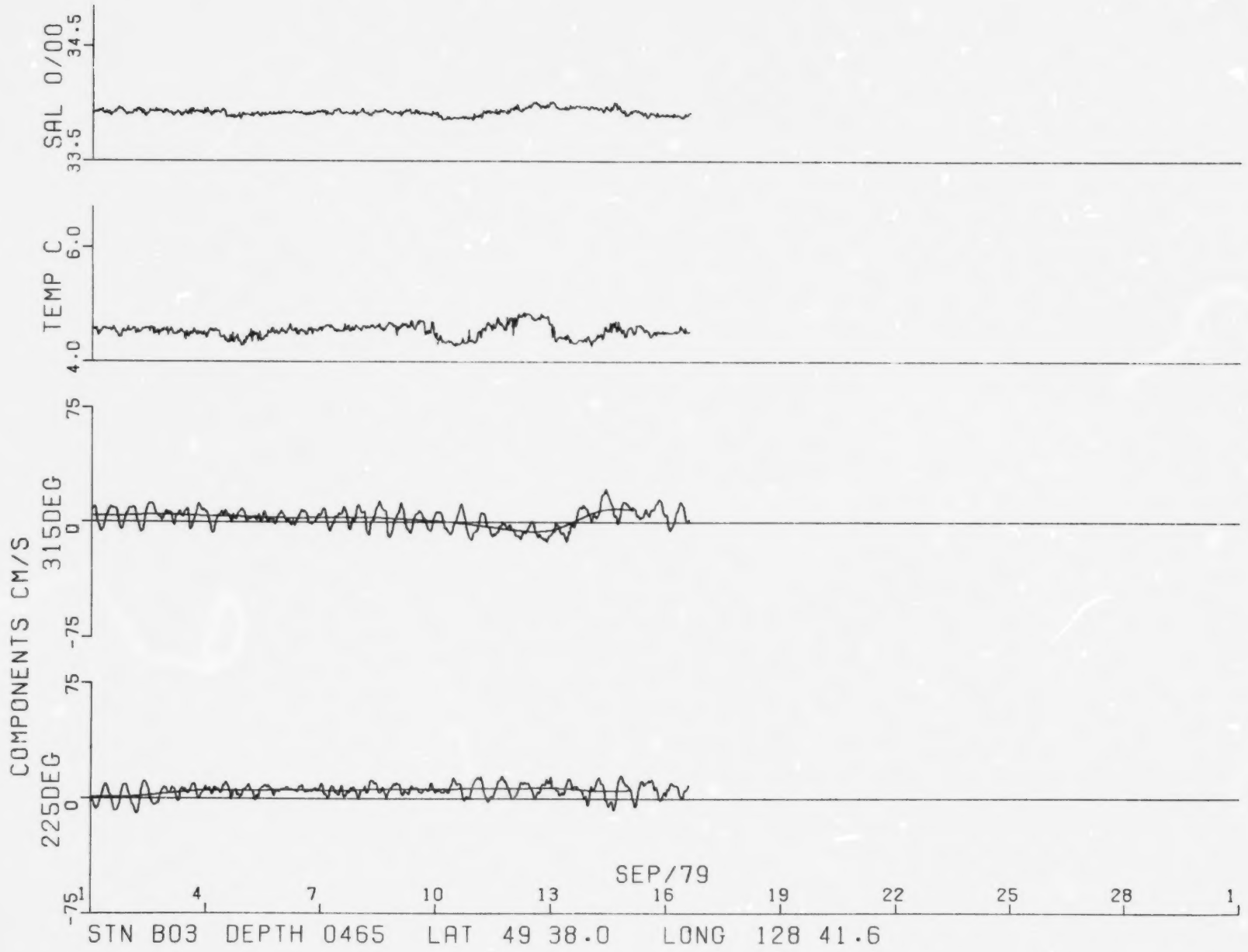

STATION B03
DEPTH 20 METRES
START OF RECORD 11/ 5/1979
DURATION 128 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/79
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0465 LAT 49 38.0 LONG 128 41.6


SAL O/OO
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 0465 LAT 49 38.0 LONG 128 41.6


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/79
1
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0465 LAT 49 38.0 LONG 128 41.6


COMPONENTS CM/S
SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
75
0
-75
75
0
-75
AUG/79
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0465 LAT 49 38.0 LONG 128 41.6


SAL O/OO
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 0465 LAT 49 38.0 LONG 128 41.6

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn BØ3 Depth Ø465 BROOKS PENINSULA 49 38.Ø N 128 41.6 W Length of record=128 Days
Start of record Ø mn 11 hr 11 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	ØØ1 to ØØ4	Ø5 to Ø9	1Ø to 14	15 to 19	2Ø to 24	25 to 29	3Ø to 34	35 to 39	4Ø to 44	45 to 49	5Ø to 54	55 to 59	6Ø to 64	65 to 69	7Ø to 74	75 to 79	8Ø to 84	85 to 89	9Ø to 94	95 to 99	1ØØ to 1Ø4	1Ø5 to 1Ø9	11Ø to 114	115 to 119	12Ø to 124	
Ø- 9	Ø51	119	Ø33																							2Ø3
1Ø- 19	Ø42	111	Ø54																							2Ø7
2Ø- 29	Ø49	124	Ø38																							211
3Ø- 39	Ø53	118	Ø29																							2ØØ
4Ø- 49	Ø46	Ø9Ø	Ø25																							161
5Ø- 59	Ø48	Ø81	Ø21																							15Ø
6Ø- 69	Ø55	Ø7Ø	Ø22																							147
7Ø- 79	Ø55	11Ø	Ø18																							183
8Ø- 89	Ø55	11Ø	Ø21	ØØ2																						188
9Ø- 99	Ø54	Ø91	Ø28	Ø07																						18Ø
1ØØ-1Ø9	Ø43	Ø86	Ø11																							14Ø
11Ø-119	Ø47	Ø9Ø	ØØ9	ØØ2																						148
12Ø-129	Ø55	Ø94	ØØ2																							151
13Ø-139	Ø39	Ø78	ØØ2																							119
14Ø-149	Ø53	1Ø1	ØØ2																							156
15Ø-159	Ø47	Ø85	Ø07																							139
16Ø-169	Ø35	Ø92	ØØ9																							136
17Ø-179	Ø37	Ø75	Ø14	ØØ1																						127
18Ø-189	Ø32	Ø73	Ø11	ØØ2																						118
19Ø-199	Ø32	Ø68	Ø19	ØØ3																						122
2ØØ-2Ø9	Ø39	Ø5Ø	Ø17	ØØ1																						1Ø7
21Ø-219	Ø35	Ø82	Ø17	ØØ1																						135
22Ø-229	Ø28	Ø95	Ø18																							141
23Ø-239	Ø3Ø	Ø89	Ø21	ØØ2																						142
24Ø-249	Ø33	112	Ø41	ØØ3																						189
25Ø-259	Ø28	Ø97	Ø44	ØØ8																						177
26Ø-269	Ø47	121	Ø58	Ø15																						241
27Ø-279	Ø29	14Ø	112	Ø35																						316
28Ø-289	Ø35	1Ø7	Ø85	Ø26	ØØ4																					257
29Ø-299	Ø28	124	Ø64	Ø1Ø	ØØ1																					227
3ØØ-3Ø9	Ø33	1Ø8	Ø4Ø	ØØ3	ØØ2																					186
31Ø-319	Ø36	Ø95	Ø23	ØØ1																						155
32Ø-329	Ø28	117	Ø19	ØØ2																						166
33Ø-339	Ø38	Ø82	Ø16	ØØ1																						137
34Ø-349	Ø44	126	Ø13																							183
35Ø-359	Ø4Ø	132	Ø34																							2Ø6
	3543		125		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø	6151
	1479		997		7		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø	

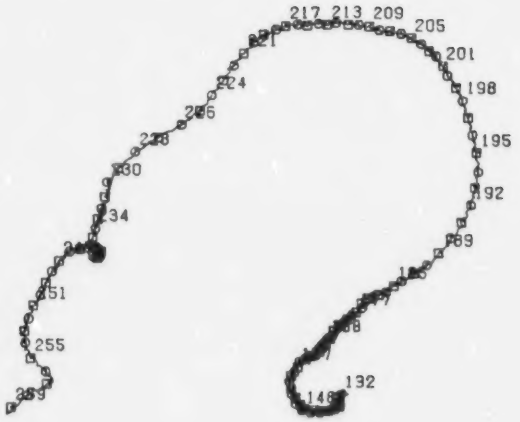
Number of zero rates: Ø

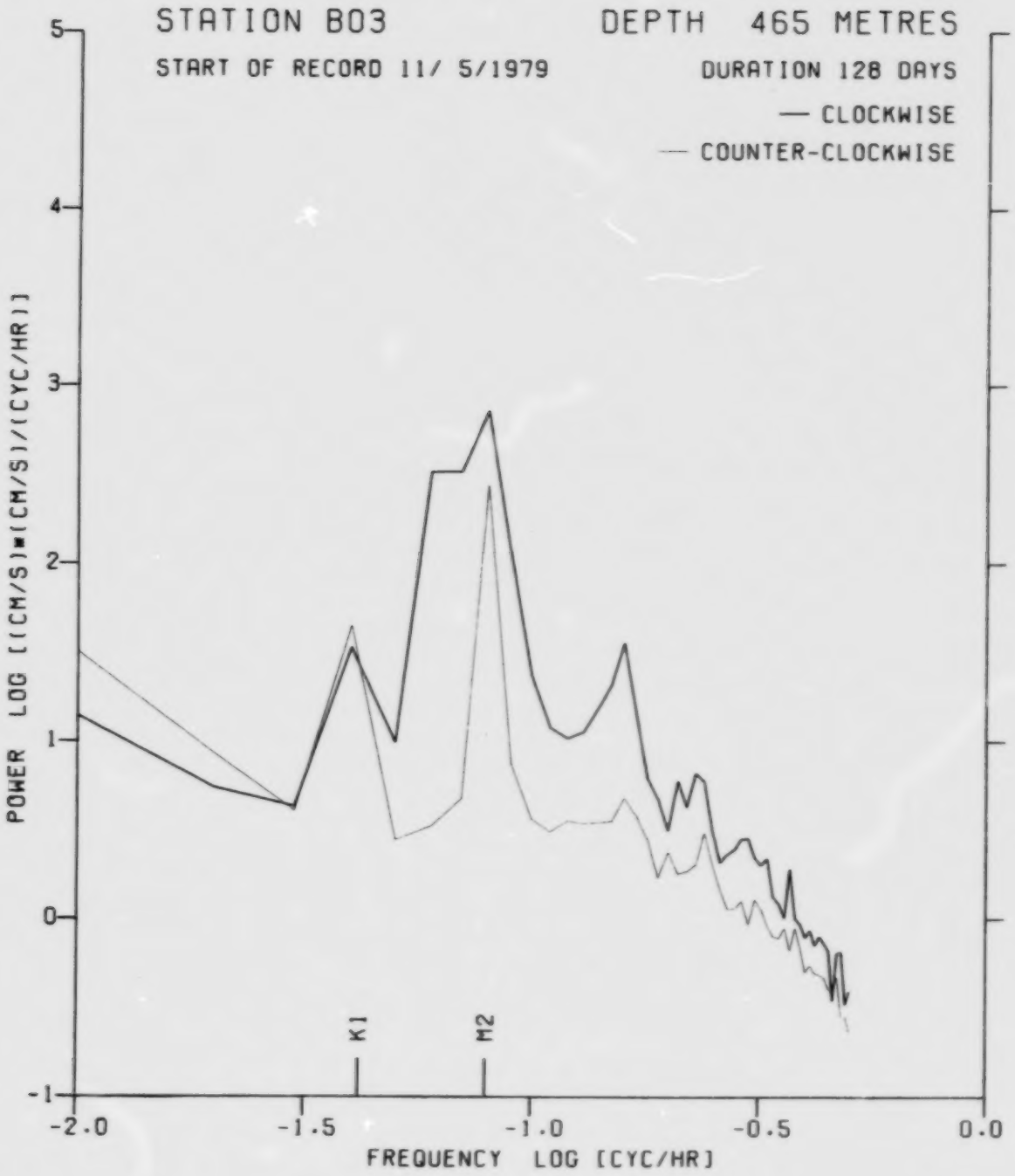
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

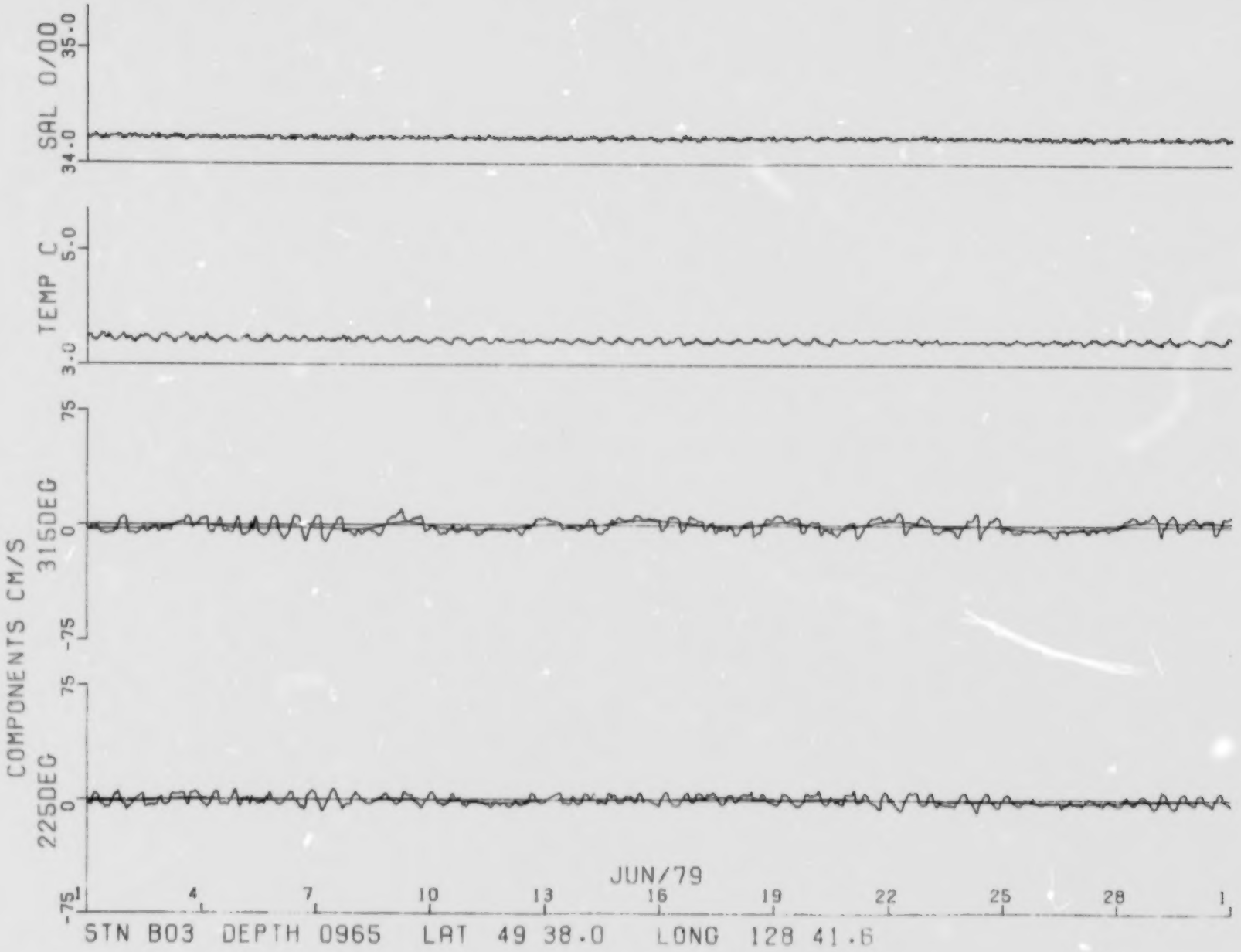
STN	DEPTH	AREA	DAY/YR	NO DAYS
B03	0465M	8700	131/79	128

SCALE 100 KM




STATION B03
DEPTH 465 METRES
START OF RECORD 11/ 5/1979
DURATION 128 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN B03 DEPTH 0965 LAT 49 38.0 LONG 128 41.6
MAY/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
3.0
5.0
SAL 0/00
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/79
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 0965 LAT 49 38.0 LONG 128 41.6

STN B03 DEPTH 0965 LAT 49 38.0 LONG 128 41.6
JUL/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
3.0
5.0
SAL 0/00
34.0
35.0

STN B03 DEPTH 0965 LAT 49 38.0 LONG 128 41.6
AUG/79
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
34.0
35.0

SAL 0/00
34.0
35.0
TEMP C
3.0
5.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
SEP/79
STN B03 DEPTH 0965 LAT 49 38.0 LONG 128 41.6

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B03 Depth 0965 BROOKS PENINSULA 49 38.0 N 128 41.6 W Length of record=128 Days
Start of record 0 mn 11 hr 11 dy 5 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	013	028	001																							42
10- 19	008	004																								12
20- 29	015	016																								31
30- 39	005	004																								9
40- 49	003																									3
50- 59	004	003																								7
60- 69	033	012																								45
70- 79	082	026																								108
80- 89	128	043																								171
90- 99	123	144	003																							270
100-109	111	109	005																							225
110-119	091	087	003																							181
120-129	070	102	003																							175
130-139	091	118	001																							210
140-149	088	119	002																							209
150-159	038	091	002																							131
160-169	052	044	001																							97
170-179	047	045	001																							93
180-189	041	031	002																							74
190-199	090	044	001																							135
200-209	092	054	002																							148
210-219	083	065	003																							151
220-229	082	086	002																							170
230-239	110	066	002																							178
240-249	168	120	002																							290
250-259	157	136	002																							295
260-269	146	133	005																							284
270-279	130	089	003																							222
280-289	114	084	002																							200
290-299	150	105	004																							259
300-309	128	084	002																							214
310-319	164	126	001																							291
320-329	232	184	001																							417
330-339	219	143																								362
340-349	135	189	001																							325
350-359	029	084	004																							117
	2818		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6151
	3272	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

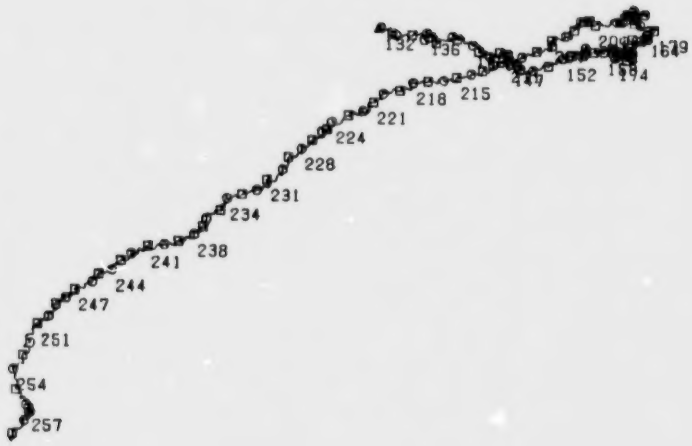
Number of zero rates: 0

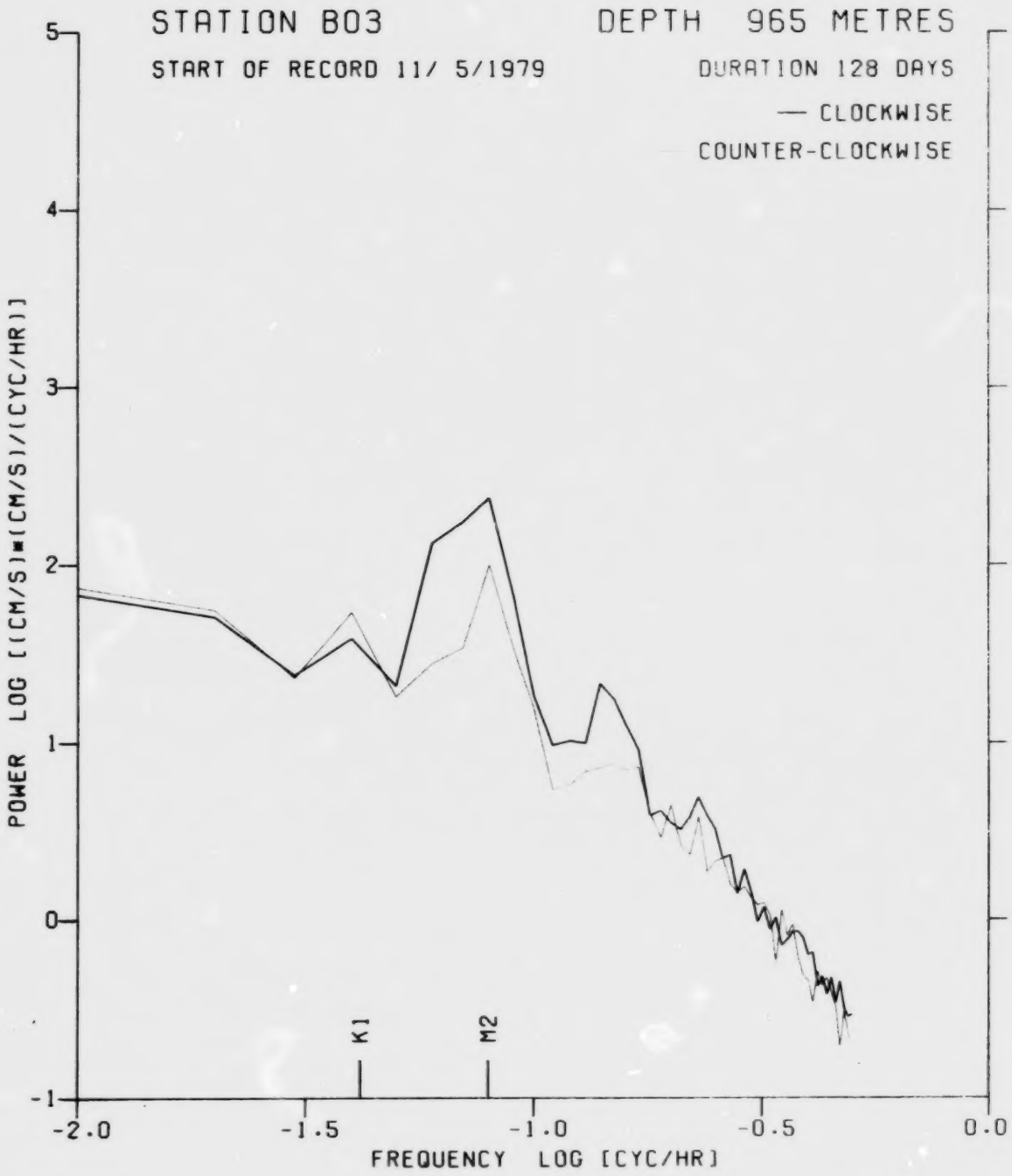
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
B03	0965M	8700	131/79	128

SCALE 50 KM




STATION B03
DEPTH 965 METRES
START OF RECORD 11/ 5/1979
DURATION 128 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

TIDAL CURRENT ELLIPSE

Stn E01 Depth 0055m ESTEVAN POINT 49 20.5 N 126 47.5 W

Starting time of analysed data 00 Min 16 Hr 07 Day 05 Mon 79 Yr PST
Length of Data 194 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	10.6	0.0	129.4	360.0
SSA	11.7	-.6	135.1	39.9
MM	5.2	.5	139.8	327.5
MSF	3.1	-.2	118.4	326.1
MF	1.7	.2	132.0	315.7
ALP1	.6	.3	95.2	159.2
2Q1	.9	.1	113.3	290.8
Q1	1.2	.1	132.9	356.7
O1	6.8	-1.4	128.4	18.5
TAU1	.4	.1	115.6	146.9
BET1	.3	-.2	6.5	187.6
NO1	.4	-.2	161.5	309.8
P1	5.4	-1.6	129.4	40.9
K1	13.3	-2.4	123.3	52.0
PHI1	.9	-.7	123.4	13.4
J1	1.1	-.3	119.9	58.8
SO1	.8	-.5	173.8	195.3
OO1	1.5	0.0	47.2	50.3
UPS1	.4	-.2	107.9	152.9
EPS2	.4	-.1	159.9	193.4
MU2	.6	-.5	61.0	94.4
N2	1.3	.1	91.0	280.1
M2	3.8	.6	46.8	272.6
MKS2	1.0	-.7	42.4	303.2
L2	.7	-.3	25.1	84.9
S2	1.4	-.5	89.1	341.4
K2	1.1	0.0	67.2	257.6
MSN2	.6	-.1	79.2	123.6
ETA2	.9	-.2	150.5	182.6
MO3	.6	-.1	40.4	22.2
M3	.2	-.1	38.4	264.5
SO3	.4	-.2	56.0	279.9
MK3	.6	-.1	84.2	100.9
SK3	.2	.1	99.3	170.8
MN4	.4	-.1	22.1	359.8
M4	.2	-.2	123.0	78.5
SN4	.1	0.0	63.7	234.9
MS4	.3	-.1	76.5	195.2
MK4	.2	0.0	97.4	277.7
S4	.3	.1	66.5	195.8
SK4	.4	0.0	29.6	255.3
2MK5	.2	-.1	61.5	101.5
2SK5	.1	0.0	133.5	262.2
2MN6	.1	0.0	9.1	307.2
M6	.1	0.0	102.6	229.2
2MS6	.1	0.0	109.1	55.3
2MK6	.2	0.0	29.2	117.9
2SM6	.1	0.0	32.8	13.2
MSK6	.2	0.0	36.9	334.7
3MK7	.1	-.1	39.6	201.5

Continued

Stn E01 Depth 0055m ESTEVAN POINT 49 20.5 N 126 47.5 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
M8	.1	-.1	141.9	268.2
	0.0	0.0	0.0	0.0

TIDAL CURRENT ELLIPSE

Stn E2A Depth 0026m ESTEVAN POINT E2A 49 15.0 N 126 52.0 W

Starting time of analysed data 00 Min 17 Hr 07 Day 05 Mon 79 Yr PST
Length of Data 126 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	8.8	0.0	112.7	180.0
MM	3.4	1.5	3.2	253.5
MSF	1.6	-.8	18.0	10.1
ALP1	.9	-.3	105.7	192.4
2Q1	.6	0.0	179.3	353.0
Q1	1.3	-.7	33.7	124.1
O1	5.5	-1.9	127.5	14.9
NO1	.5	-.2	159.2	351.1
K1	9.9	-3.0	127.4	48.8
J1	.4	-.1	133.2	97.2
OO1	1.0	-.3	141.5	81.8
UPS1	.9	.2	134.4	180.6
EPS2	.3	-.2	160.4	220.4
MU2	.8	-.5	74.2	148.3
N2	2.1	-1.2	158.1	328.7
M2	8.7	-5.0	132.4	354.3
L2	1.7	-1.2	176.8	82.8
S2	1.9	-1.0	146.3	13.9
ETA2	1.6	-1.0	152.0	179.8
MO3	1.0	-.8	74.0	107.2
M3	.4	-.1	56.3	179.7
MK3	1.5	-1.3	46.9	156.7
SK3	.1	0.0	21.4	173.8
MN4	.7	-.5	176.8	316.2
M4	.5	-.1	48.1	76.9
SN4	1.0	-.9	64.5	216.5
MS4	.4	-.1	154.9	292.8
S4	.4	-.2	8.5	206.9
2MK5	.3	-.1	81.8	132.7
2SK5	.4	.1	36.9	282.1
2MN6	.1	0.0	38.8	37.0
M6	.2	0.0	43.4	316.5
2MS6	.4	-.2	93.5	278.7
2SM6	.2	-.1	144.4	71.6
3MK7	.2	-.1	10.0	123.3
M8	.2	0.0	54.2	6.1

TIDAL CURRENT ELLIPSE

Stn E3A Depth 0750m ESTEVAN POINT 49 04.1 N 127 04.2 W

Starting time of analysed data 00 Min 18 Hr 09 Day 05 Mon 79 Yr PST
Length of Data 81 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.9	0.0	114.1	0.0
MM	2.0	-.2	117.7	96.6
MSF	1.4	-.3	124.7	37.3
ALP1	.3	0.0	79.8	254.4
2Q1	.2	0.0	34.2	270.2
Q1	.1	.1	.8	58.9
O1	1.0	-.1	102.0	116.4
NO1	.1	0.0	83.6	38.7
K1	1.5	.1	94.9	136.2
J1	.2	.1	119.6	36.0
OO1	.1	0.0	57.6	189.0
UPS1	.4	-.1	4.4	294.7
EPS2	.7	-.5	154.7	236.6
MU2	.4	-.3	58.9	93.3
N2	.7	-.5	154.2	333.7
M2	3.5	-1.1	7.9	188.6
L2	.8	-.7	85.4	159.2
S2	.7	0.0	16.9	213.2
ETA2	.4	-.2	106.5	55.6
MO3	.2	0.0	46.6	122.5
M3	0.0	0.0	61.4	242.6
MK3	.3	-.1	31.6	164.6
SK3	.1	0.0	96.7	302.9
MN4	.3	-.1	113.8	120.8
M4	.1	.1	167.2	347.9
SN4	.1	.1	73.1	200.2
MS4	.2	0.0	5.6	203.3
S4	.2	-.1	94.7	202.3
2MK5	0.0	0.0	15.3	182.1
2SK5	.1	0.0	42.5	156.7
2MN6	.1	0.0	164.5	25.8
M6	.1	0.0	62.0	242.0
2MS6	0.0	0.0	137.2	52.3
2SM6	.1	0.0	177.9	51.9
3MK7	.1	0.0	144.5	346.2
M8	.1	0.0	100.2	327.9

TIDAL CURRENT ELLIPSE

Stn E04 Depth 0735m ESTEVAN POINT 48 58.0 N 127 18.3 W

Starting time of analysed data 00 Min 16 Hr 08 Day 05 Mon 79 Yr PST
Length of Data 290 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	.1	0.0	111.5	360.0
SSA	.9	0.0	127.3	220.0
MSM	1.5	-.4	103.8	190.6
MM	1.6	-.3	95.9	273.3
MSF	1.0	.2	165.1	302.0
MF	.3	0.0	155.6	67.5
ALP1	.1	0.0	64.3	143.2
2Q1	.2	-.1	156.7	173.7
SIG1	0.0	0.0	64.1	187.4
Q1	.3	.1	130.9	168.4
RHO1	.1	0.0	6.4	301.7
O1	.6	.1	114.3	120.0
TAU1	.1	0.0	151.4	312.5
BET1	.1	.1	100.8	63.6
NO1	.1	0.0	87.3	126.0
CHI1	.1	0.0	154.8	169.6
P1	.3	.1	110.3	139.4
K1	.9	.1	108.2	130.7
PHI1	.2	-.1	160.5	60.5
THE1	.2	0.0	155.2	352.9
J1	.1	0.0	131.9	353.7
SO1	.2	.1	144.1	72.8
OO1	.1	0.0	52.5	306.6
UPS1	.2	-.1	14.5	199.0
OQ2	.2	0.0	110.3	64.0
EPS2	.2	0.0	149.4	136.3
2N2	.1	0.0	136.6	162.9
MU2	.3	-.1	122.7	25.7
N2	.4	.1	67.1	294.1
NU2	.4	-.1	103.8	72.8
M2	2.4	-.2	104.0	325.6
MKS2	.5	-.4	50.5	66.9
LDA2	.2	0.0	127.8	9.0
L2	.5	-.1	101.1	343.1
S2	.9	-.2	97.1	321.6
K2	.3	-.2	4.1	52.1
MSN2	.2	-.1	168.0	12.2
ETA2	.3	-.2	41.6	3.8
MO3	.1	0.0	81.2	204.3
M3	.1	0.0	124.6	241.9
SO3	.1	0.0	160.7	205.2
MK3	.1	0.0	42.8	219.8
SK3	.1	0.0	131.2	339.7
MN4	.1	0.0	48.9	228.2
M4	.1	0.0	77.7	314.4
SN4	.1	0.0	151.8	275.3
MS4	.1	0.0	59.0	353.0
MK4	0.0	0.0	127.1	132.8
S4	.1	0.0	104.5	56.6
SK4	.1	0.0	9.7	220.6

Continued

Stn E04 Depth 0735m ESTEVAN POINT 48 58.0 N 127 18.3 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	0.0	0.0	177.7	264.6
2SK5	.1	0.0	179.6	355.8
2MN6	0.0	0.0	144.3	341.2
M6	.1	0.0	133.3	270.5
2MS6	0.0	0.0	179.8	278.9
2MK6	.1	0.0	123.6	56.4
2SM6	0.0	0.0	153.6	79.8
MSK6	0.0	0.0	22.8	132.4
3MK7	0.0	0.0	133.3	126.9
M8	0.0	0.0	70.9	257.9

TIDAL CURRENT ELLIPSE

Stn E05 Depth 0005m ESTEVAN POINT 48 48.1 N 127 36.0 W

Starting time of analysed data 00 Min 17 Hr 09 Day 05 Mon 79 Yr PST
Length of Data 64 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	13.1	0.0	87.9	180.0
MM	11.0	-4.9	43.7	304.6
MSF	5.7	-1.0	86.4	347.7
ALP1	1.3	-.6	12.0	96.9
2Q1	1.3	-.4	116.4	101.5
Q1	1.1	.8	118.5	117.5
O1	1.4	-.1	118.0	96.6
NO1	.8	.7	157.8	144.4
K1	1.9	.4	148.7	162.5
J1	2.4	-.4	27.1	305.5
OO1	1.4	.9	63.8	58.3
UPS1	3.3	-2.3	176.2	198.2
EPS2	1.1	.2	2.8	194.6
MU2	1.3	-.3	28.1	300.3
N2	1.7	0.0	48.1	225.0
M2	4.9	-1.4	87.3	326.8
L2	1.7	-.1	70.5	12.0
S2	1.6	-.6	125.3	42.3
ETA2	.9	-.3	67.1	88.8
MO3	.8	-.5	132.9	344.5
M3	.6	-.1	16.0	52.5
MK3	1.2	0.0	149.0	319.7
SK3	1.0	-.1	15.7	39.6
MN4	1.4	-.4	33.1	25.2
M4	1.0	-.4	112.4	247.8
SN4	.9	-.7	178.7	49.2
MS4	1.1	-.1	101.8	176.7
S4	.8	.4	103.2	305.6
2MK5	.5	.1	.9	78.4
2SK5	.3	0.0	150.4	182.4
2MN6	.5	-.2	77.4	21.6
M6	.7	0.0	96.8	228.7
2MS6	.3	-.3	24.4	319.0
2SM6	.3	-.1	104.4	26.6
3MK7	.4	-.2	156.3	107.2
M8	.4	-.1	93.0	178.7

TIDAL CURRENT ELLIPSE

Stn B2D Depth 0295m BROOKS PENINSULA B2D 49 56.3 N 128 14.2 W

Starting time of analysed data 00 Min 17 Hr 11 Day 05 Mon 79 Yr PST
Length of Data 128 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.3	0.0	26.4	0.0
MM	3.2	-1.4	74.7	277.4
MSF	2.0	-.9	105.1	74.2
ALP1	.2	-.1	170.1	222.4
2Q1	.3	0.0	73.1	195.1
Q1	.4	-.2	130.0	120.9
O1	1.0	-.1	139.9	111.6
NO1	.2	-.1	165.4	131.3
K1	1.5	0.0	160.7	154.3
J1	.2	-.1	107.6	139.5
OO1	.4	-.3	149.0	216.8
UPS1	.2	.1	139.5	40.6
EPS2	.4	-.3	128.3	100.8
MU2	.3	-.3	132.0	335.0
N2	.5	.2	71.1	263.4
M2	2.4	.4	68.0	286.7
L2	.8	-.6	64.0	308.1
S2	1.0	-.3	122.0	358.5
ETA2	.4	-.3	50.0	54.8
MO3	.1	0.0	93.5	132.2
M3	.1	-.1	12.2	81.3
MK3	.2	0.0	136.0	57.3
SK3	.3	-.1	74.7	12.1
MN4	.1	0.0	112.7	179.1
M4	.1	-.1	143.9	128.9
SN4	.1	-.1	144.3	353.7
MS4	.1	0.0	47.6	358.5
S4	.2	-.1	136.3	60.2
2MK5	0.0	0.0	109.6	195.5
2SK5	.1	-.1	139.7	219.5
2MN6	.1	0.0	112.3	350.6
M6	.1	0.0	46.8	82.3
2MS6	.1	0.0	95.1	148.3
2SM6	.1	0.0	151.6	327.2
3MK7	.1	0.0	172.8	29.5
M8	.1	0.0	93.3	148.8

TIDAL CURRENT ELLIPSE

Stn BZD Depth 0740m BROOKS PENINSULA BZD 49 56.3 N 128 14.2 W

Starting time of analysed data 00 Min 17 Hr 11 Day 05 Mon 79 Yr PST
Length of Data 128 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2D	3.0	0.0	127.7	0.0
MM	3.2	-1.2	139.2	205.7
MSF	2.2	-.2	109.3	54.9
ALP1	.2	-.1	173.3	74.1
2Q1	.1	-.1	91.5	263.7
Q1	.3	-.1	110.9	88.9
O1	.8	0.0	145.9	100.9
NO1	.2	.1	139.6	53.8
K1	1.4	.8	160.2	136.1
J1	.2	-.1	152.5	11.6
OO1	.2	-.1	111.5	17.0
UPS1	.4	-.2	31.0	118.2
EPS2	.3	-.1	71.8	98.7
MU2	.5	-.3	135.9	288.9
N2	.8	-.1	80.1	273.0
M2	6.2	-3.2	146.4	349.7
L2	.8	-.7	12.6	170.0
S2	1.6	-.5	97.7	336.6
ETA2	.7	-.4	60.5	333.5
MO3	.1	0.0	23.8	164.5
M3	.2	-.1	173.3	137.4
MK3	0.0	0.0	68.9	195.0
SK3	.1	-.1	2.8	26.0
MN4	.1	-.1	168.4	3.5
M4	.3	0.0	30.4	267.8
SN4	.1	0.0	88.9	212.8
MS4	.1	0.0	166.8	30.9
S4	.2	-.1	91.4	80.1
2MK5	0.0	0.0	103.5	219.7
2SK5	.1	-.1	136.9	145.2
2MN6	.1	0.0	99.5	357.3
M6	.1	-.1	41.9	92.9
2MS6	.1	0.0	47.0	64.0
2SM6	.1	0.0	134.8	254.9
3MK7	.1	0.0	99.0	60.1
M8	0.0	0.0	35.4	48.4

TIDAL CURRENT ELLIPSE

Stn B2D Depth 1240m BROOKS PENINSULA 49 56.3 N 128 14.2 W

Starting time of analysed data 00 Min 17 Hr 11 Day 05 Mon 79 Yr PST
Length of Data 128 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	2.7	0.0	137.1	0.0
MM	1.3	-.2	160.6	175.9
MSF	.6	-.3	.1	230.6
ALP1	0.0	0.0	99.3	114.9
2Q1	.1	0.0	120.9	310.4
Q1	.3	.1	112.6	62.6
O1	1.2	.2	124.7	59.4
NO1	.1	0.0	73.3	46.7
K1	2.7	0.0	133.3	88.3
J1	.1	0.0	170.8	110.5
OO1	.3	-.1	142.4	126.1
UPS1	.2	.1	81.5	99.5
EPS2	.2	-.1	174.5	330.8
MU2	.5	-.4	96.3	231.1
N2	.9	-.4	99.2	329.1
M2	3.3	-.9	98.7	335.4
L2	.4	-.2	38.0	70.4
S2	1.0	.1	154.7	18.0
ETA2	.5	-.4	17.2	41.8
MO3	.2	-.2	29.0	285.2
M3	.2	-.1	85.2	297.0
MK3	.2	-.2	17.0	289.5
SK3	0.0	0.0	159.8	49.1
MN4	.1	0.0	12.9	76.1
M4	.1	-.1	24.6	264.7
SN4	.1	0.0	124.1	303.7
MS4	.1	0.0	159.7	241.5
S4	.1	-.1	121.1	356.1
2MK5	.1	0.0	59.4	307.0
2SK5	.1	0.0	128.7	75.9
2MN6	0.0	0.0	128.1	61.9
M6	.1	0.0	66.9	223.4
2MS6	.1	0.0	74.7	257.9
2SM6	.1	0.0	60.0	208.6
3MK7	.1	0.0	134.9	12.7
M8	0.0	0.0	33.3	99.5

TIDAL CURRENT ELLIPSE

Stn B03 Depth 0020m BROOKS PENINSULA 49 38.0 N 128 41.6 W

Starting time of analysed data 00 Min 12 Hr 11 Day 05 Mon 79 Yr PST
Length of Data 128 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	4.9	0.0	79.6	0.0
MN	5.6	1.4	11.6	185.8
MSF	2.0	-.4	41.6	238.6
ALP1	.4	-.1	68.9	294.2
2Q1	.6	0.0	29.9	187.7
Q1	.5	-.1	51.8	103.1
O1	1.0	-.2	141.9	121.4
NO1	.4	-.4	4.7	253.1
K1	.9	.7	118.2	114.5
J1	.4	-.1	112.5	100.6
OO1	.3	-.1	25.2	61.9
UPS1	.6	0.0	68.5	292.5
EPS2	.9	-.7	97.4	318.6
MU2	1.1	-.6	51.6	258.1
N2	.8	-.7	103.9	39.9
M2	5.8	-4.2	163.1	340.7
L2	.8	-.3	114.3	217.4
S2	1.9	-1.6	97.6	262.8
ETA2	1.3	-.5	129.4	23.5
MO3	.3	0.0	37.6	202.3
M3	.3	-.2	99.2	140.1
MK3	.5	-.1	26.5	201.5
SK3	.2	-.1	22.6	238.6
MN4	.5	-.4	75.3	229.4
M4	.3	-.2	3.2	327.4
SN4	.4	-.2	32.9	154.1
MS4	.3	-.2	57.0	319.8
S4	.3	.1	175.7	178.4
2MK5	.2	.1	128.9	317.9
2SK5	.1	-.1	45.9	290.1
2MN6	.2	.1	91.6	263.0
M6	.3	-.1	63.0	276.3
2MS6	.4	-.3	34.8	308.4
2SM6	.2	0.0	39.3	259.2
3MK7	.1	0.0	99.5	336.7
M8	.2	0.0	91.0	125.1

TIDAL CURRENT ELLIPSE

Stn B03 Depth 0465m BROOKS PENINSULA 49 38.0 N 128 41.6 W

Starting time of analysed data 00 Min 12 Hr 11 Day 05 Mon 79 Yr PST
Length of Data 128 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.2	0.0	136.5	0.0
MM	1.9	0.0	179.9	75.4
MSF	.6	0.0	114.8	192.7
ALP1	.2	0.0	100.8	197.5
2Q1	.1	0.0	49.0	162.7
Q1	.2	0.0	151.8	138.5
O1	.7	-.1	135.2	108.2
NO1	.1	0.0	145.6	74.7
K1	1.4	.1	131.9	118.9
J1	.1	0.0	129.2	33.6
OO1	.2	0.0	144.8	126.4
UPS1	.2	-.1	83.4	86.7
EPS2	.6	-.4	141.9	352.3
MU2	.5	-.3	178.5	275.9
N2	1.5	-.7	112.8	321.0
M2	1.8	1.6	26.8	239.1
L2	.5	0.0	66.8	304.7
S2	1.8	-.8	142.9	7.6
ETA2	.6	-.5	177.5	126.8
MO3	.1	0.0	151.1	7.5
M3	.1	0.0	58.2	27.1
MK3	.2	0.0	172.4	246.6
SK3	.1	0.0	50.4	189.2
MN4	.2	-.1	179.2	77.4
M4	.2	-.1	134.3	345.0
SN4	.1	-.1	132.3	106.4
MS4	.1	0.0	36.4	295.4
S4	.1	-.1	179.0	248.0
2MK5	.1	0.0	88.0	114.9
2SK5	.1	0.0	144.2	65.2
2MN6	0.0	0.0	44.0	92.7
M6	0.0	0.0	16.6	113.1
2MS6	.1	0.0	121.5	328.7
2SM6	.1	0.0	39.5	243.1
3MK7	.1	0.0	164.6	306.6
M8	.1	0.0	12.8	293.5

PART

3

DATA RECORD OF CURRENT OBSERVATIONS
VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)
PART 3

W.S. Huggett, W.R. Crawford, R.E. Thomson, M.V. Woodward

INSTITUTE OF OCEAN SCIENCES

SIDNEY, B.C.

DATA RECORD OF CURRENT OBSERVATIONS

VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)

PART 3

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INSTITUTE OF OCEAN SCIENCES

SIDNEY, B.C.

1987

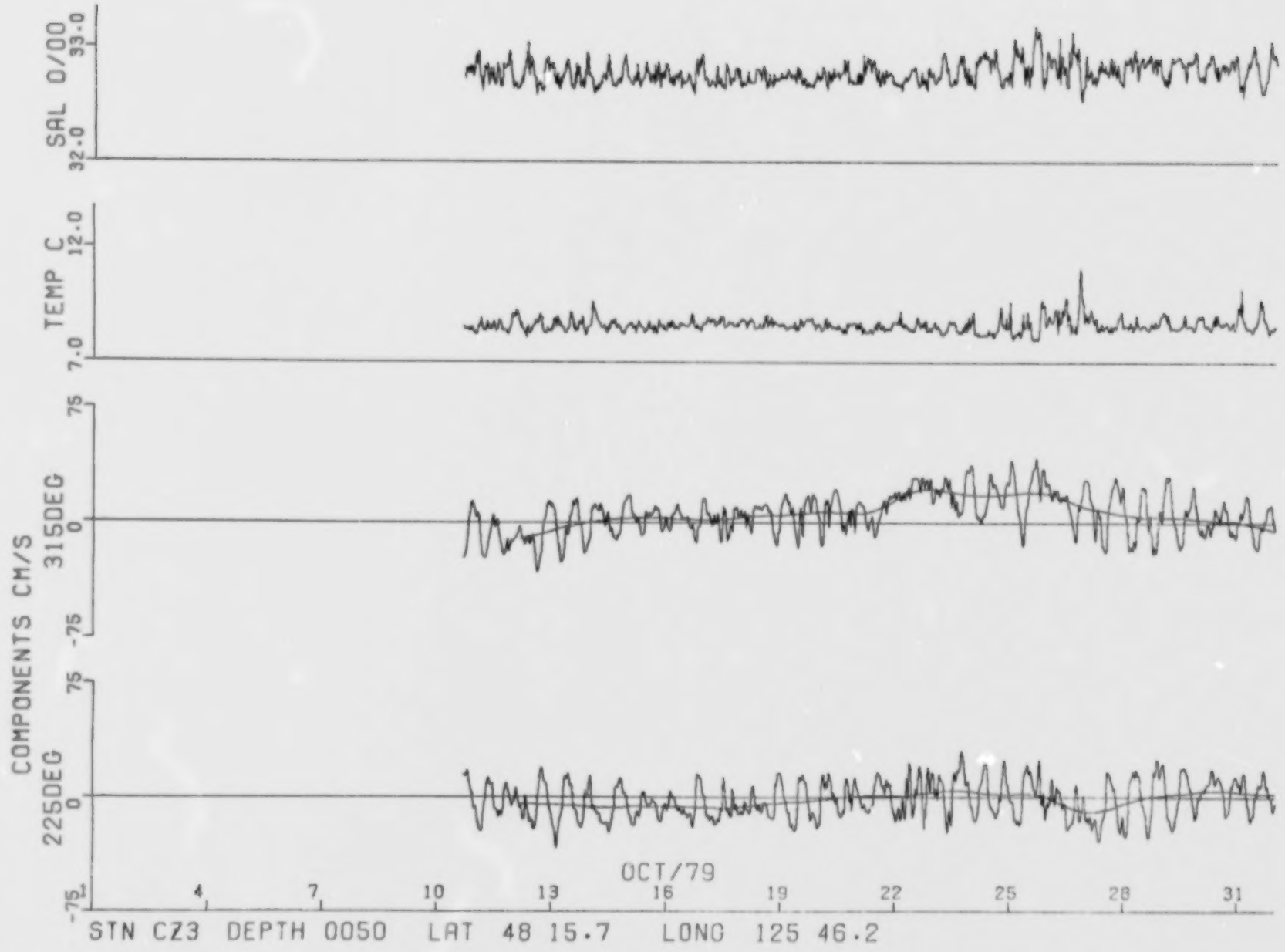
ABSTRACT

Current meter data from the west coast of Vancouver Island for the years 1979-81 are summarized. Temperature and salinity measurements coincident with the current observations are also shown. Tidal data from both onshore and offshore pressure gauges are given in Part 1.

INDEX

Station	Depth	Start Time	Length		Page
CZ3	50	17 10 10 79	117		1
CZ3	100	17 10 10 79	117		9
CZ4	50	15 10 10 79	117		17
CZ4	100	15 10 10 79	117		25
CZ4	250	15 10 10 79	117		33
CZ4	500	15 10 10 79	112		42
E01	46	30 13 22 09 79	55		49
E01	85	30 13 22 09 79	117		55
E02	49	30 14 15 09 79	65		63
E02	122	30 14 15 09 79	124		69
E03	375	30 19 15 09 79	125		77
E03	575	30 10 15 09 79	125		85
E03	775	30 19 15 09 79	125		93
E3A	750	30 20 15 09 79	124		101
E3A	750			Harmonic Analysis	253
E04	370	22 22 09 79	118		109
E04	570	22 22 09 79	118		117
E04	570		171	Harmonic Analysis	254
E04	770	22 22 09 79	118		125
E04	770		152	Harmonic Analysis	255
E04	1020	22 22 09 79	118		133
E04	1270	22 22 09 79	118		141
E05	64	10 16 09 79	124		149
E05	513	9 16 09 79	118		157
E05	513		185	Harmonic Analysis	256
E05	1010	10 16 09 79	89		165
E05	1510	10 16 09 79	124		173

B01	53	30	10	18	09	79	234		181
B01	111	30	10	18	09	79	234		193
B02	475	30	12	23	09	79	229		205
B02	975	30	12	23	09	79	229		217
B03	525	30	21	23	09	79	228		229
B03	1025	30	21	23	09	79	228		241
B03	1025							Harmonic Analysis	258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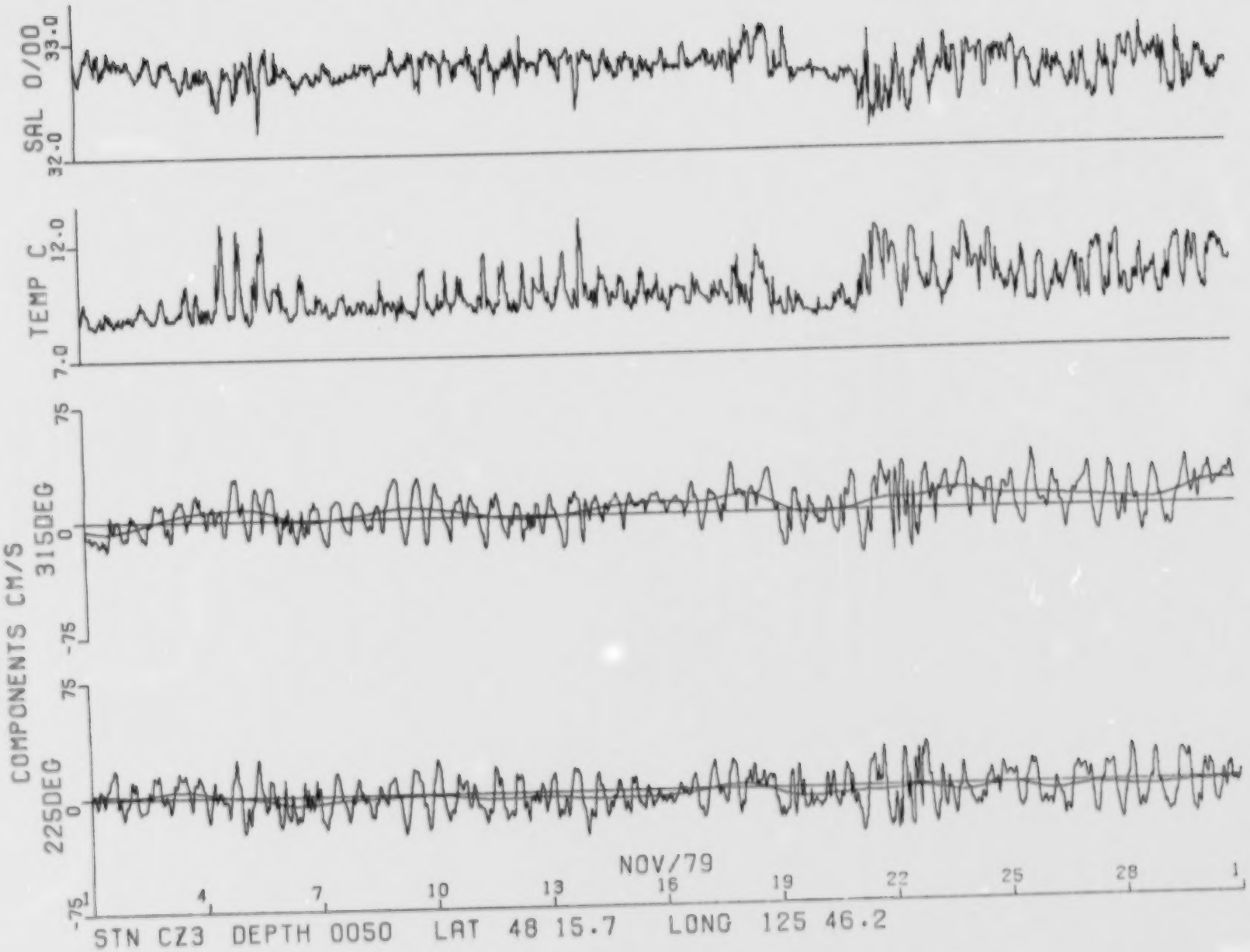
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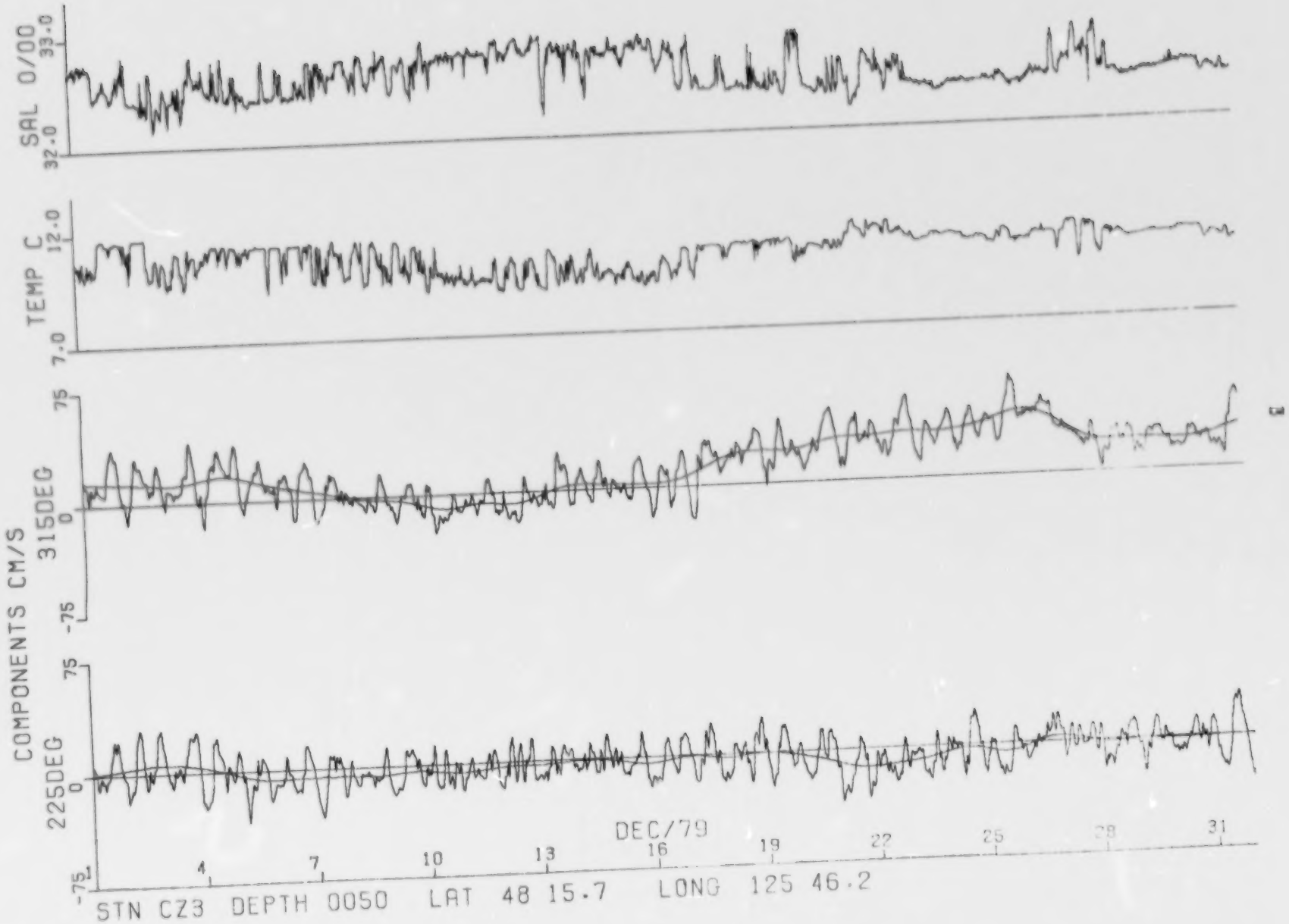
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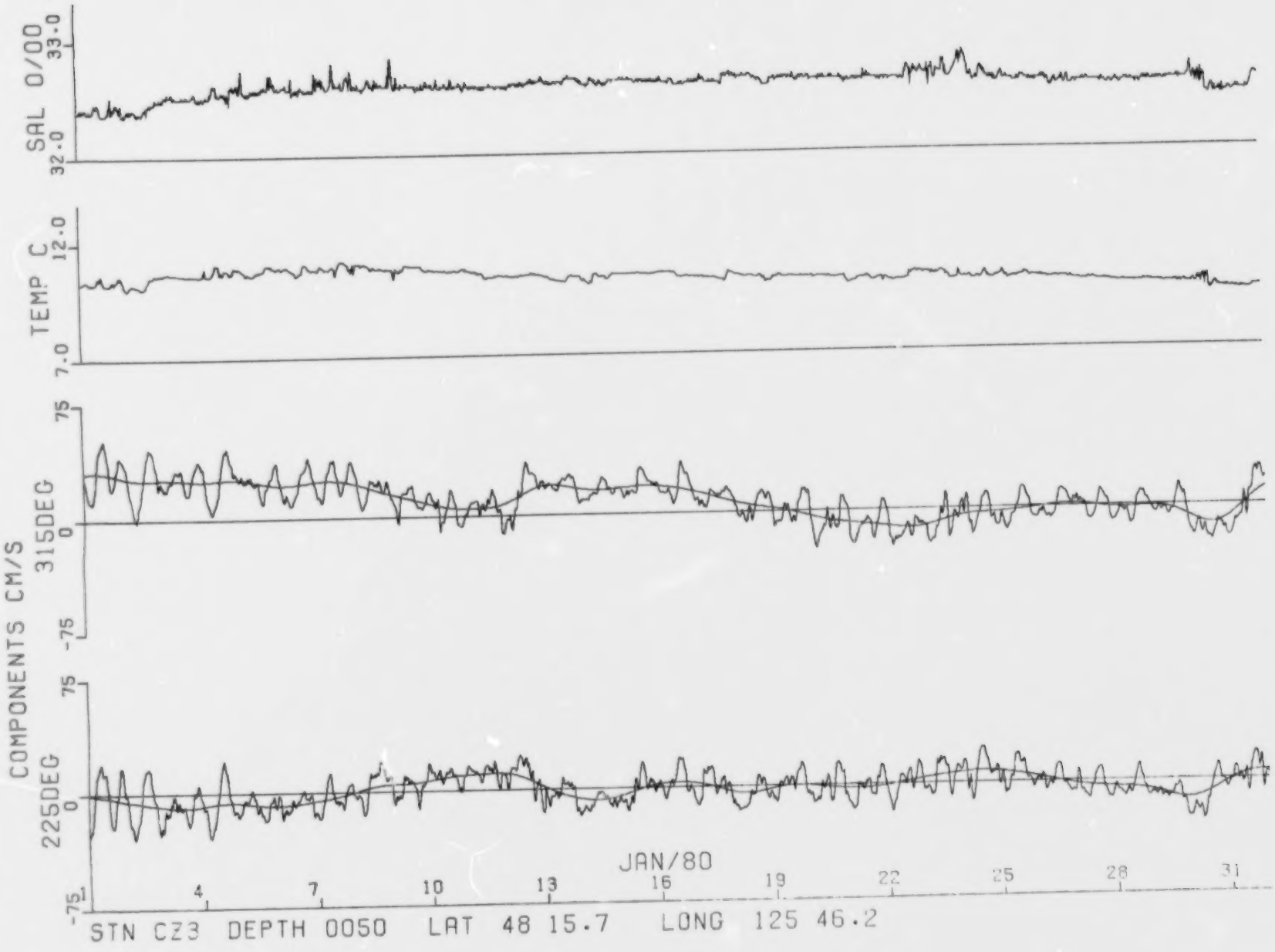
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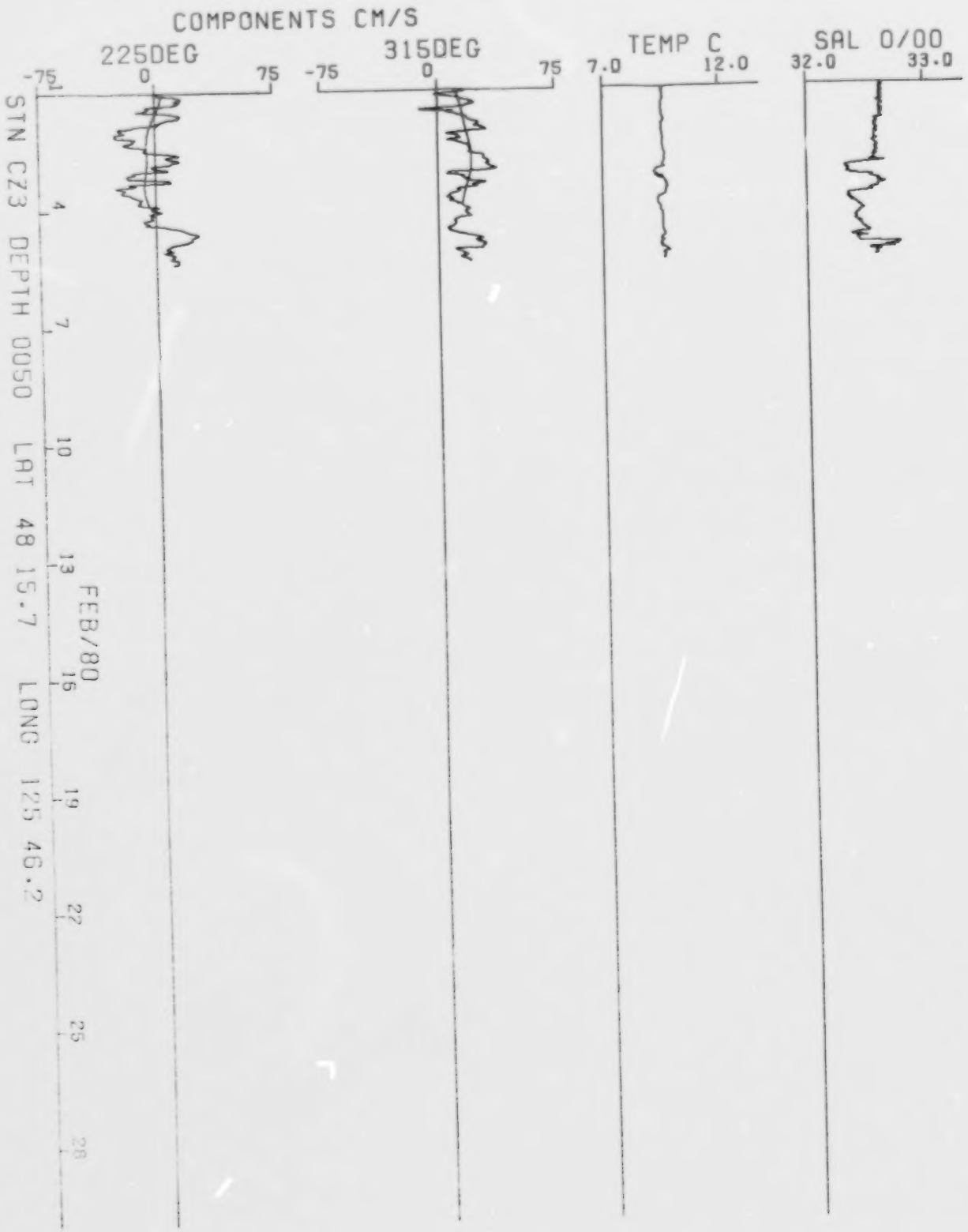
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STN CZ3 DEPTH 0050 LAT 48 15.7 LONG 125 46.2
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25
28

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ3 Depth 0050 PACHENA POINT 48 15.7 N 125 46.2 W Length of record .EQ. 117 Days
Start of record 0 mn 17 hr 10 dy 10 mo 79 yr PST Rate of obser. = 2 per Hour

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
cm/s																										
0- 9	002	019	050	052	046	031	015	004	002																	221
10- 19	004	023	051	051	042	019	006	001																		197
20- 29	002	029	047	049	028	011	003	001																		170
30- 39		020	054	040	014	005	002																			135
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80- 89	001	036	023	032	017	007																				116
90- 99	003	027	039	027	016	006																				118
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200-209		023	021	020	004	002																				70
210-219	001	019	031	023	006	002																				82
220-229	001	020	030	017	007	003																				86
230-239	003	011	037	012	009	004																				76
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280-289		022	046	053	040	047	016	009	003	001																237
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310-319	003	023	045	054	061	067	037	020	032	005	000	003	004	002												372
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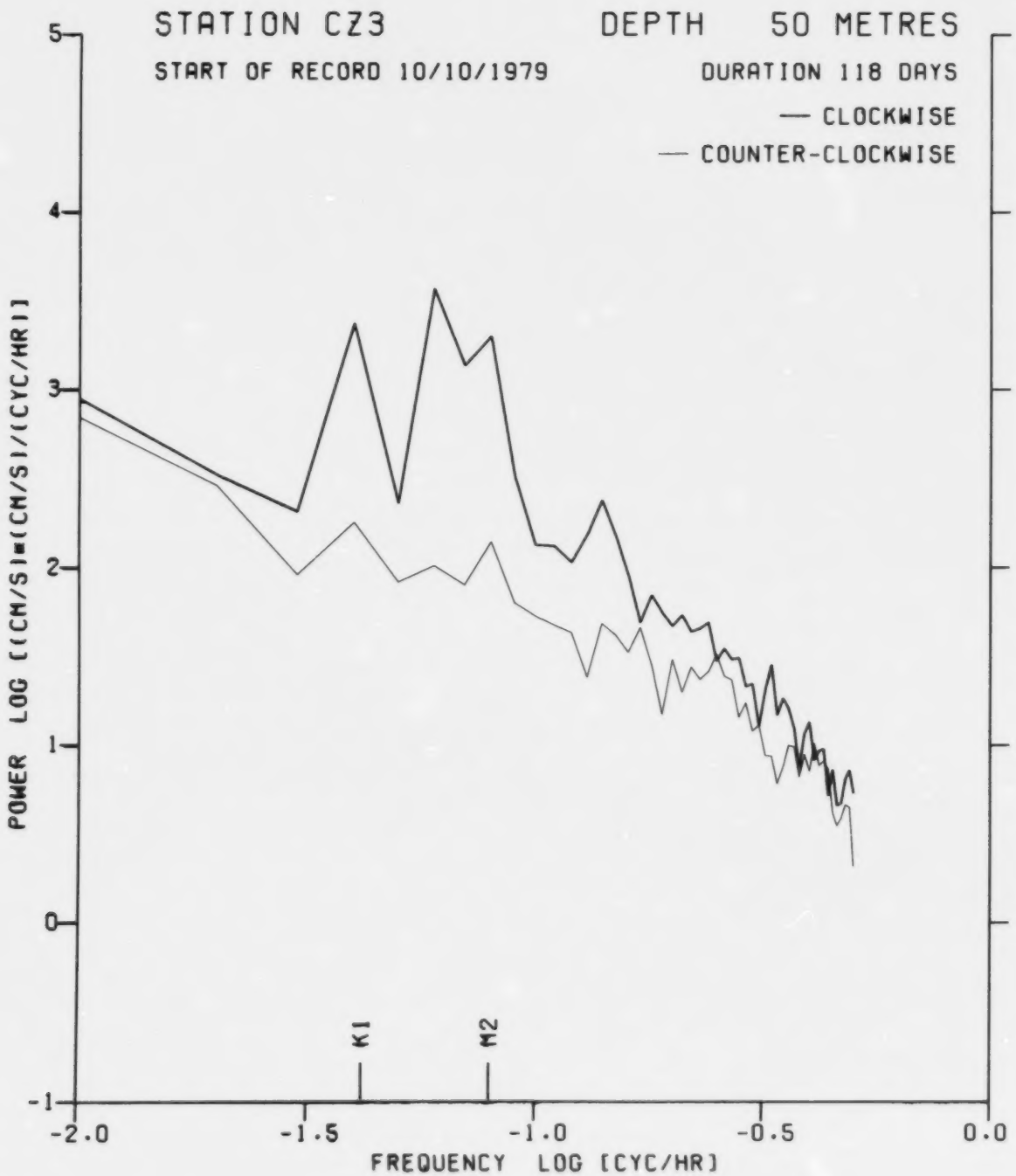
Number of zero rates: 0

PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

●ODD NUMBERED DAYS
◎EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ3	0050M	8500	283/79	118

SCALE 100 KM


STATION CZ3
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START OF RECORD 10/10/1979
DURATION 118 DAYS
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— COUNTER-CLOCKWISE
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5
4
3
2
1
0
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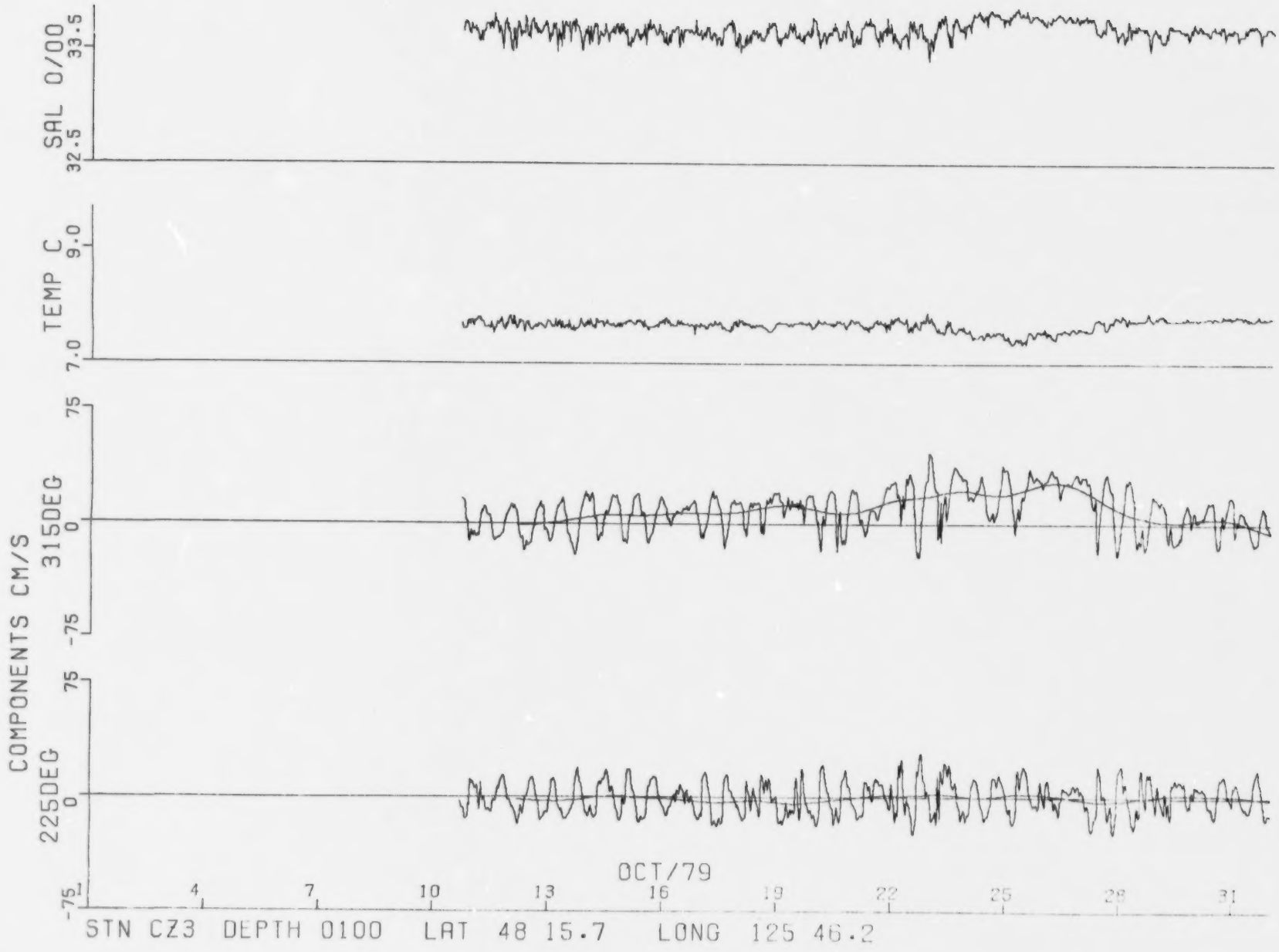
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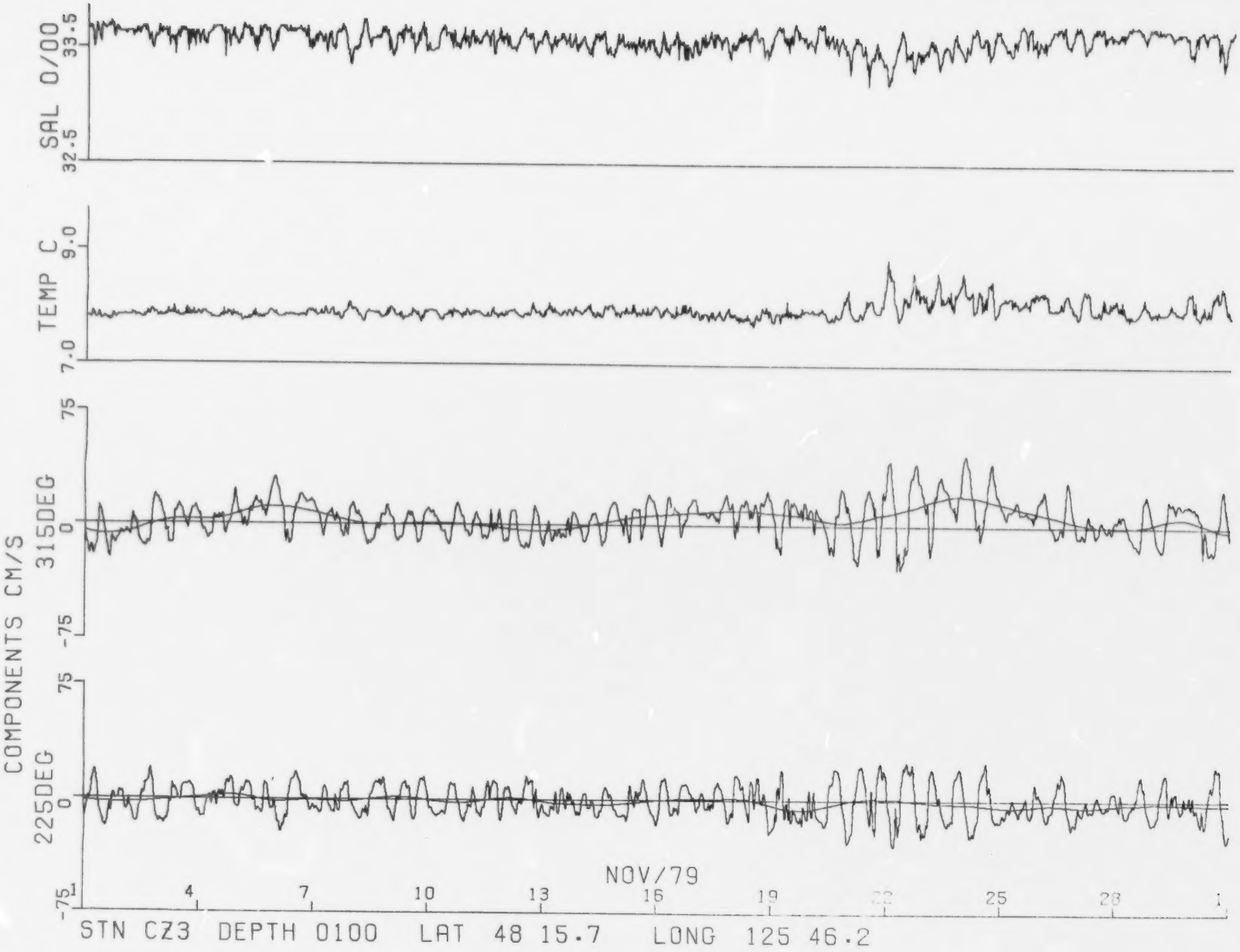
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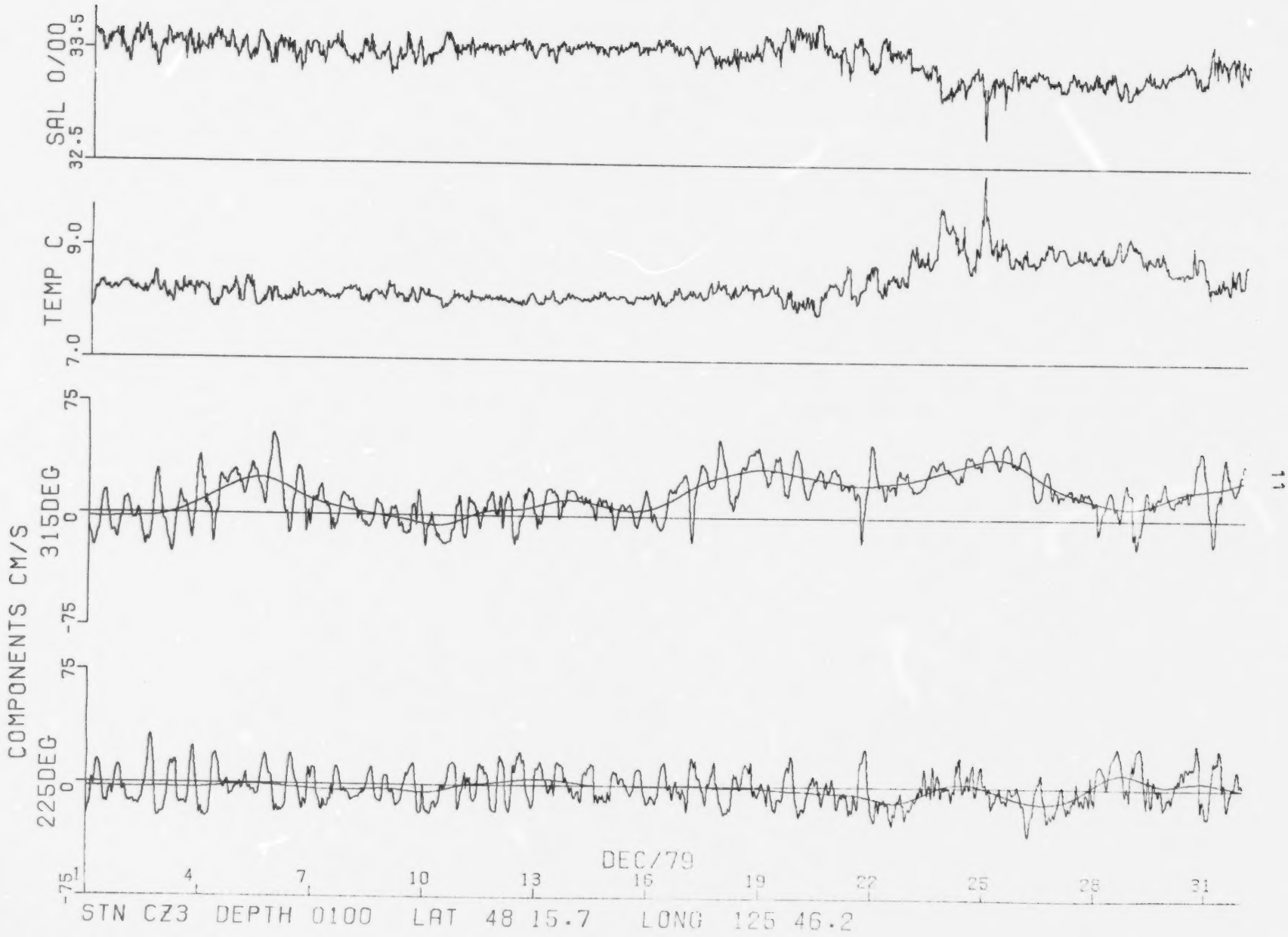
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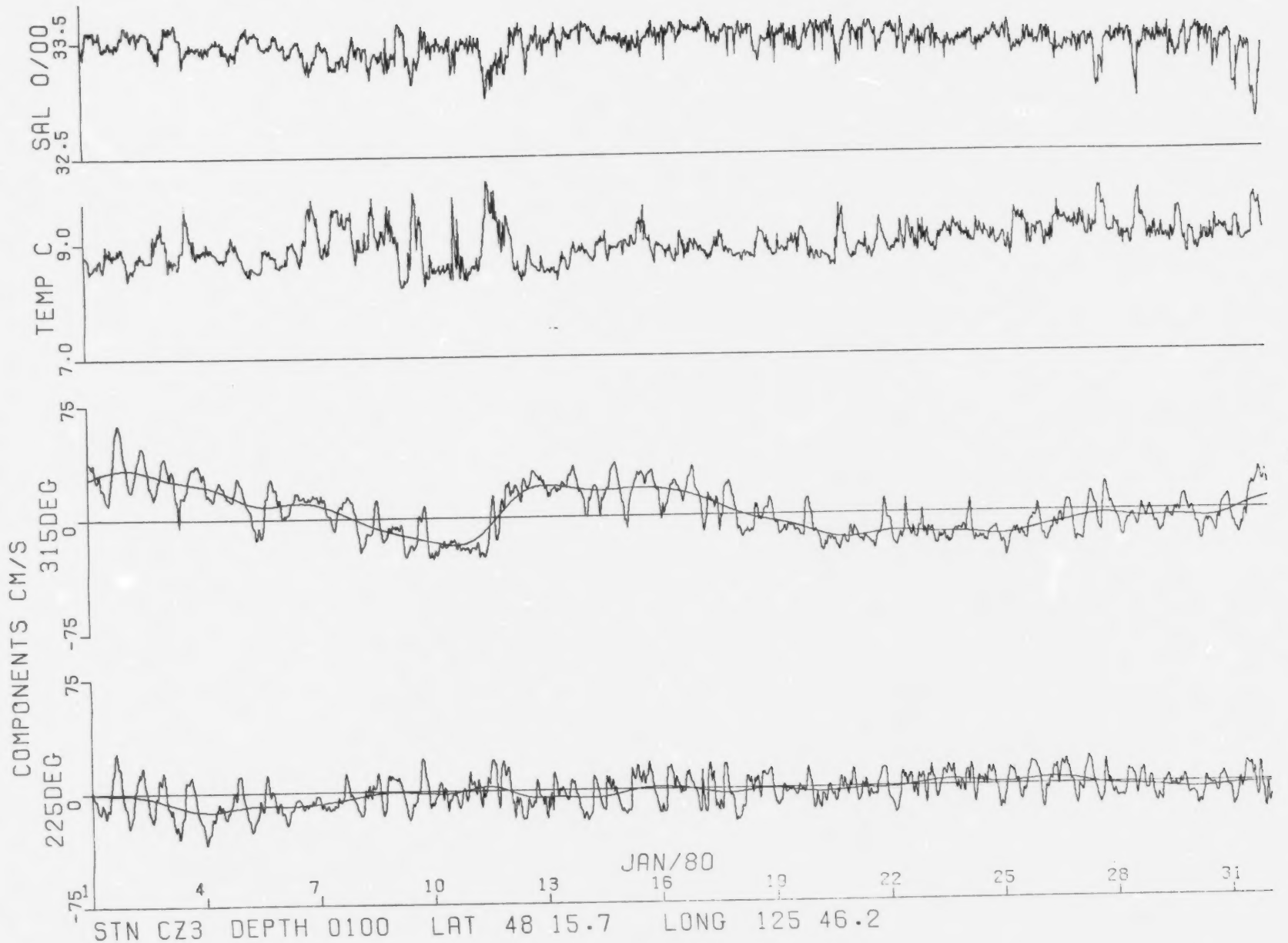
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STN CZ3 DEPTH 0100 LAT 48 15.7 LONG 125 46.2

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32.5
33.5
TEMP C
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9.0
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315DEG
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SIN CZ3 DEPTH 0100 LAT 48 15.7 LONG 125 46.2
FEB/80
4
7
10
13
16
19
22
25

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ3 Depth 0100 PACHENA POINT 48 15.7 N 125 46.2 W Length of record .EQ. 117 Days
Start of record 0 mn 17 hr 10 dy 10 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		020	056	052	051	015	010	005	005																	
10- 19	002	019	053	047	026	008	004																			214
20- 29	001	019	056	036	017	008	002	001																		159
30- 39	001	028	058	030	008	002	002																			140
40- 49	002	021	037	034	008	001																				129
50- 59	003	019	038	023	006	003																				103
60- 69		014	053	025	006	001																				92
70- 79		024	035	022	007																					99
80- 89	003	015	042	026	005	001																				88
90- 99	002	017	034	025	014	002	002																			92
100-109	001	014	036	028	017	001	004																			96
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260-269	002	010	043	024	018	004	003	001																		105
270-279	001	016	042	035	019	018	009	001	002	001																113
280-289	001	017	047	041	031	021	006	008	004	002	003															144
290-299		020	035	059	025	036	019	023	013	010	001	001														181
300-309	003	021	040	068	027	052	029	026	014	009	003		002													242
310-319		020	053	084	045	043	063	025	016	027	007		002													294
320-329		023	063	074	057	066	052	029	018	017	006	002	001													365
330-339	002	026	057	067	061	048	024	020	027	005																408
340-349	001	026	071	091	074	049	020	016	008	001																337
350-359	002	029	059	072	066	036	016	009	004	001																357
																										224
	47	550	1575	1443	810	472	275	165	111	73	20	3	5	0	0	0	0	0	0	0	0	0	0	0	0	5649

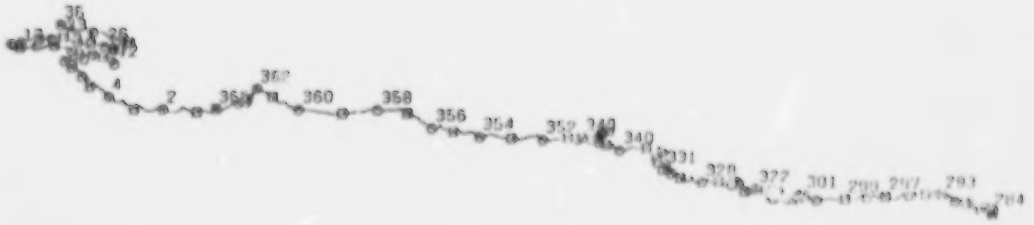
Number of zero rates: 0

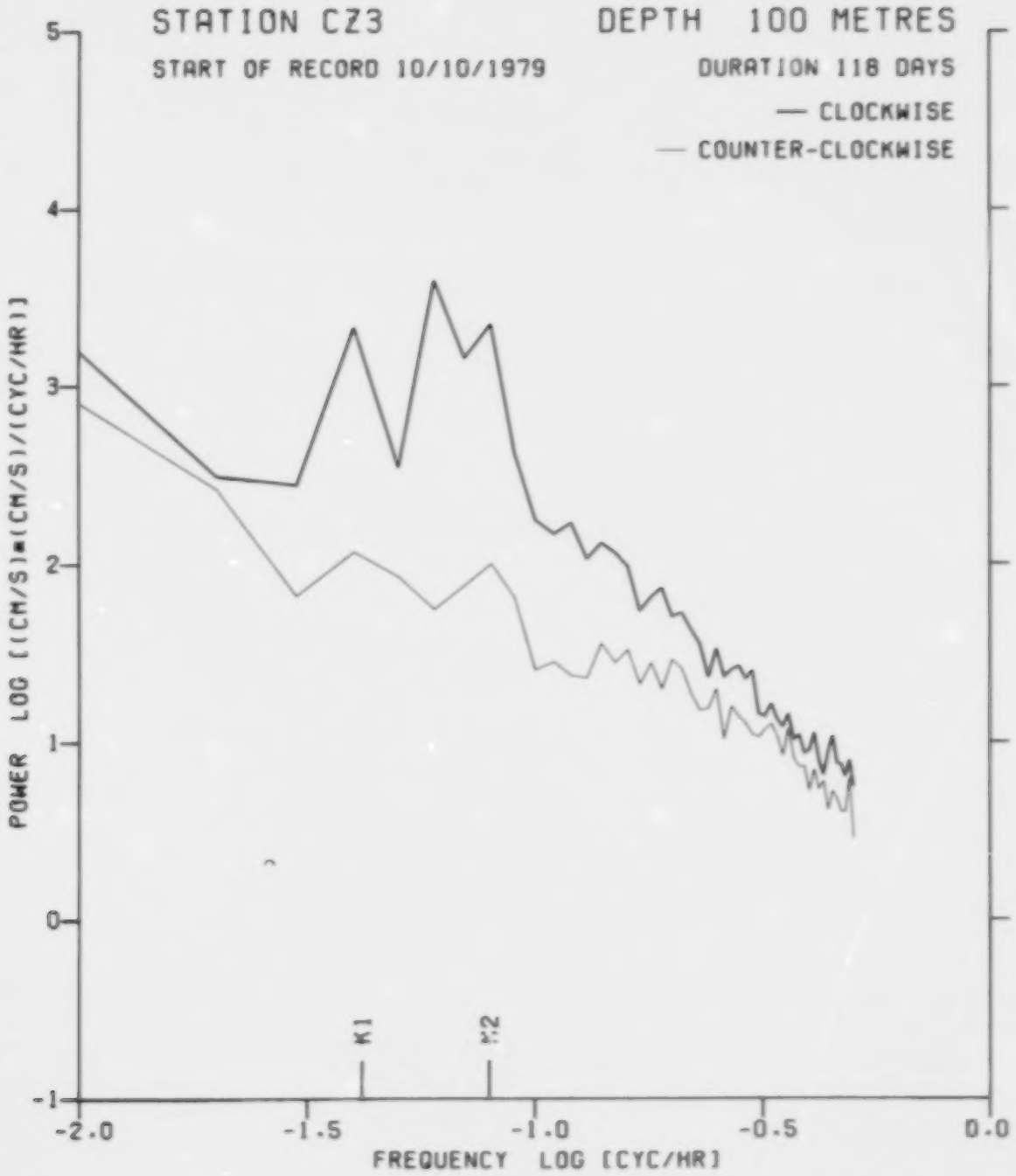
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

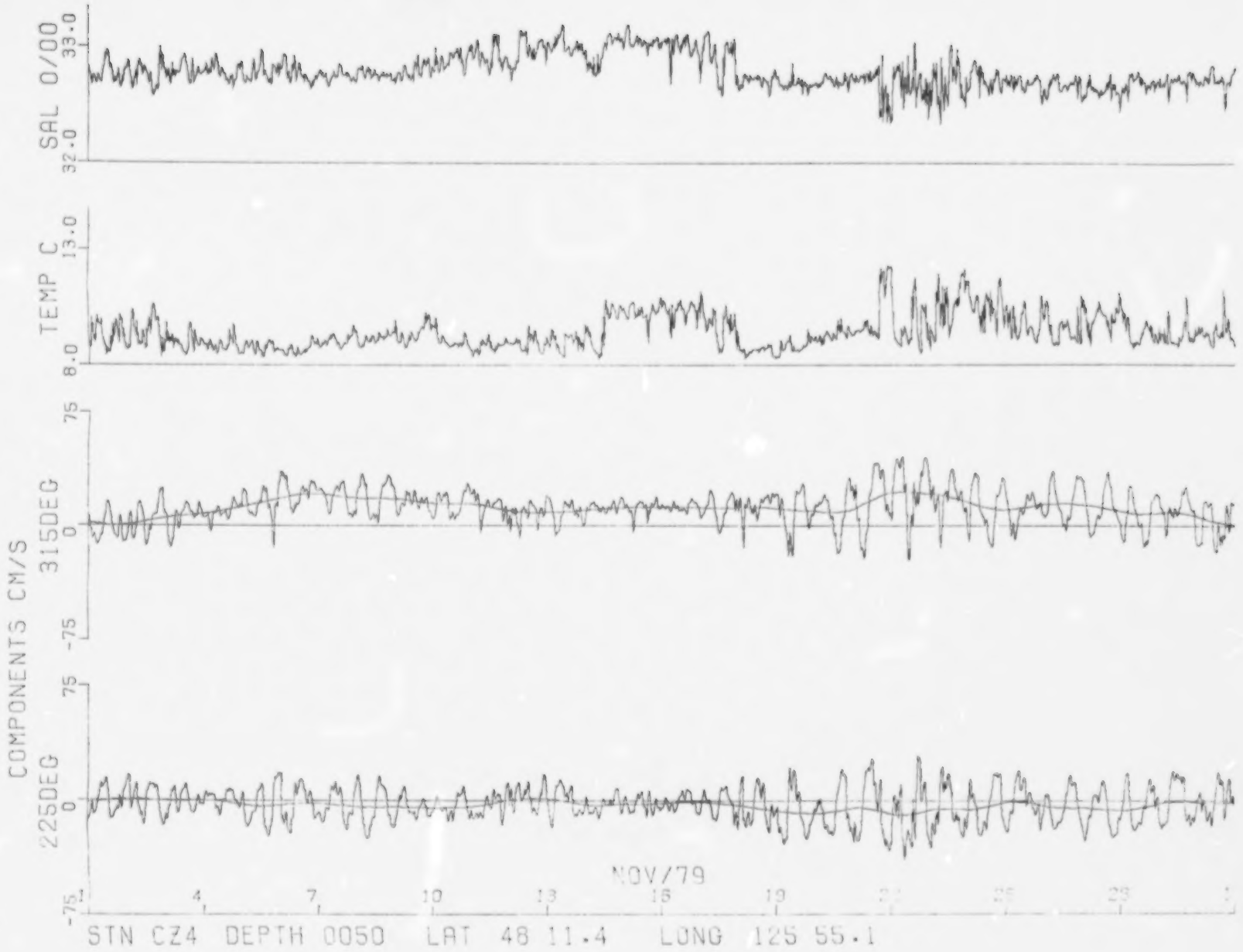
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ3	0100M	8500	283/79	118

SCALE
100 KM

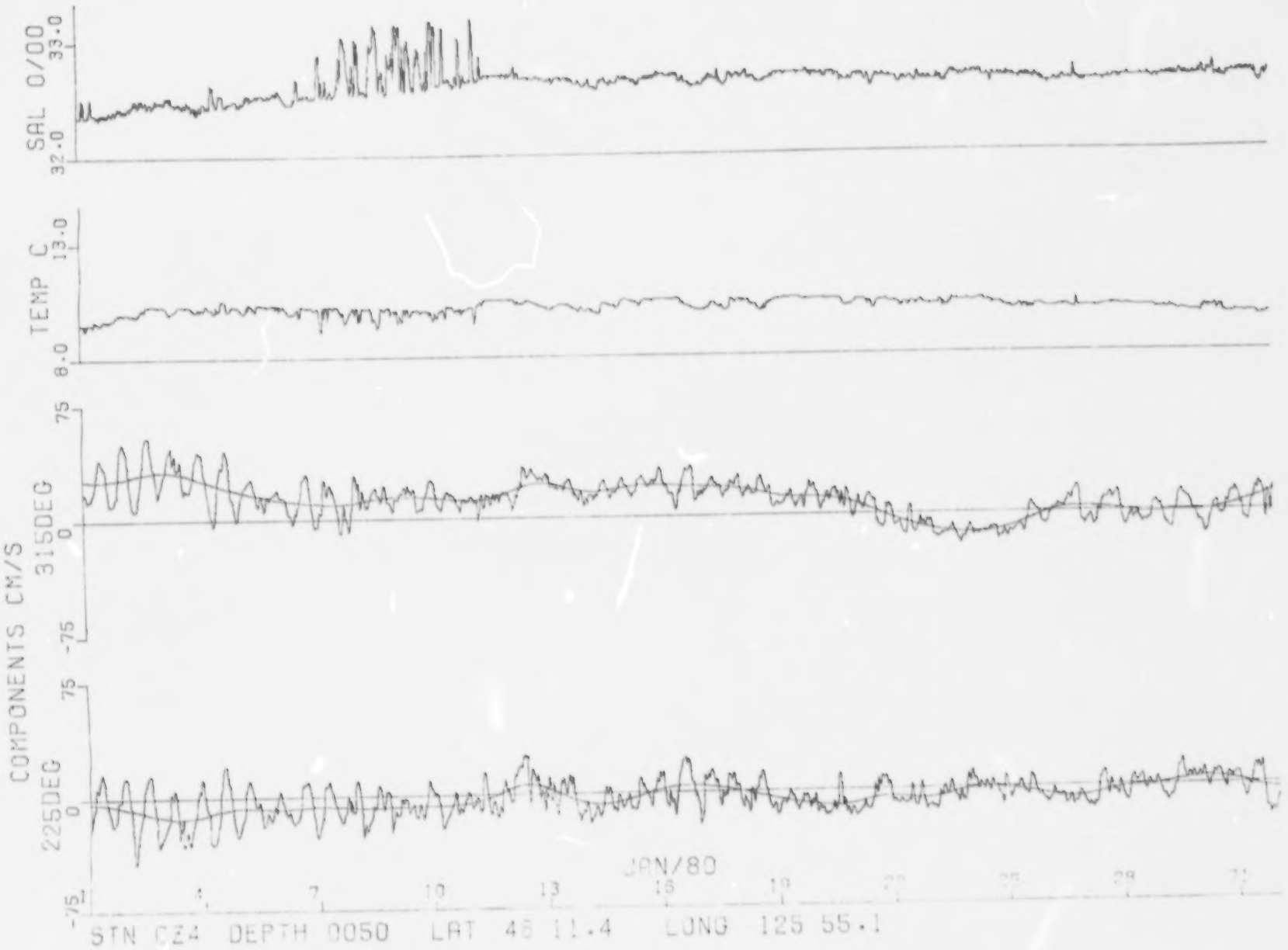


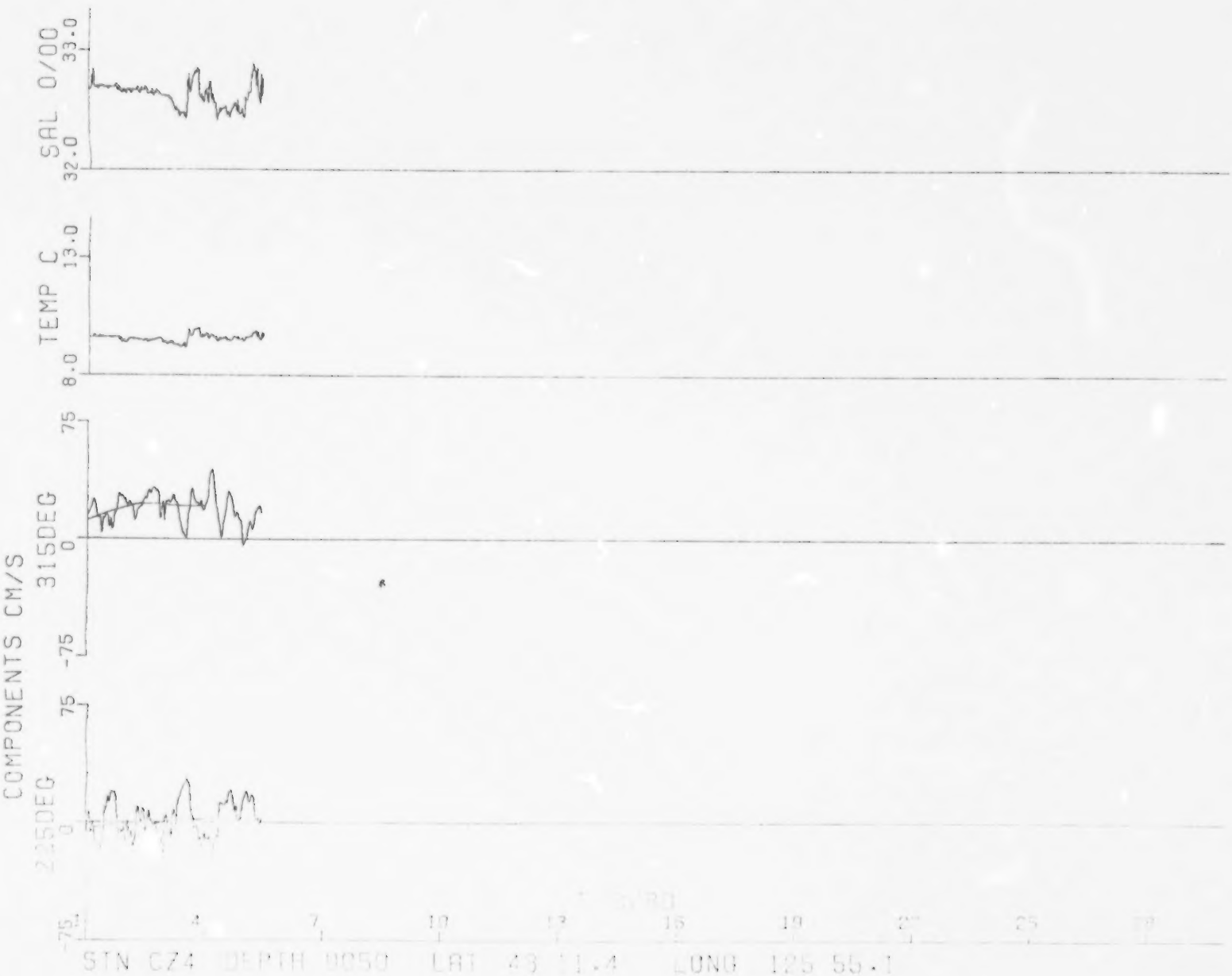

STATION CZ3
DEPTH 100 METRES
START OF RECORD 10/10/1979
DURATION 118 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

SIN CZ4 DEPTH 0050 LAT 48 11.4 LONG 125 55.1
09/79
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
8.0
13.0
32.0
33.0


SAL 0/00
33.0
32.0
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
1
4
7
10
13
16
19
STN CZ4 DEPTH 0050 LAT 48 11.4 LONG 125 55.1

SAL O/OO
32.0
33.0
TEMP C
8.0
13.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75


SAL O/OO
33.0
32.0
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
STN CZ4 DEPTH 0050 LAT 48 11.4 LONG 125 55.1


SAL O/OO
33.0
32.0
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
STN CZ4 DEPTH 0050 LAT 43 11.4 LONG 125 55.1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0050 PACHENA POINT 48 11.4 N 125 55.1 W Length of record .EQ. 117 Days
Start of record 0 mn 15 hr 10 dy 10 mo 79 yr PST Rate of obser. = 2 per Hour

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
cm/s																										
0- 9	001	026	084	078	056	042	023	012	005	001	001															329
10- 19	003	032	047	060	049	031	012	011		001	001															247
20- 29	001	025	054	053	052	022	011	001	001																	220
30- 39	003	017	031	052	018	012	004																			137
40- 49		025	027	027	013	007	001																			100
50- 59	003	015	034	026	011	009																				98
60- 69		019	043	017	007	001	001																			88
70- 79	002	010	038	014	008	002	001																			75
80- 89	001	013	023	012	005	006	001																			61
90- 99	003	011	026	005	007	003																				55
100-109		011	027	010	006	001																				55
110-119	001	020	024	009																						54
120-129	001	013	033	007	003																					57
130-139		021	038	009	002																					70
140-149	003	008	026	017	001																					55
150-159	002	015	021	016	002																					56
160-169	002	024	013	010	005																					54
170-179	002	015	021	015	002	001																				56
180-189	005	009	023	007	006	001																				51
190-199	001	019	022	010	005																					57
200-209	001	008	027	012	004																					52
210-219	003	014	018	014	002	002																				53
220-229	003	012	025	018	010	001																				69
230-239	003	012	015	017	006	005																				58
240-249	003	011	016	032	009	005	001																			77
250-259		019	031	032	010	005	006																			103
260-269		016	033	028	018	012	010	003																		120
270-279	001	019	041	041	026	022	015	006	001																	172
280-289		018	048	062	045	022	014	005	002																	216
290-299	002	024	064	069	057	043	031	018	008	004	002															322
300-309		024	067	076	067	056	040	021	017	009	003															380
310-319	003	020	057	085	090	050	049	031	036	008	003															432
320-329	002	017	083	076	090	070	050	018	025	014	001	001														447
330-339	002	033	084	078	090	043	038	021	015	014	001	001														420
340-349	001	025	054	105	087	042	022	025	018	014	002															395
350-359	001	021	067	094	065	048	020	021	019	007	002															365
	641		1293		564		193		72		2		0		0		0		0		0		0		0	5556
	59		1385		934		350		147		16		0		0		0		0		0		0		0	

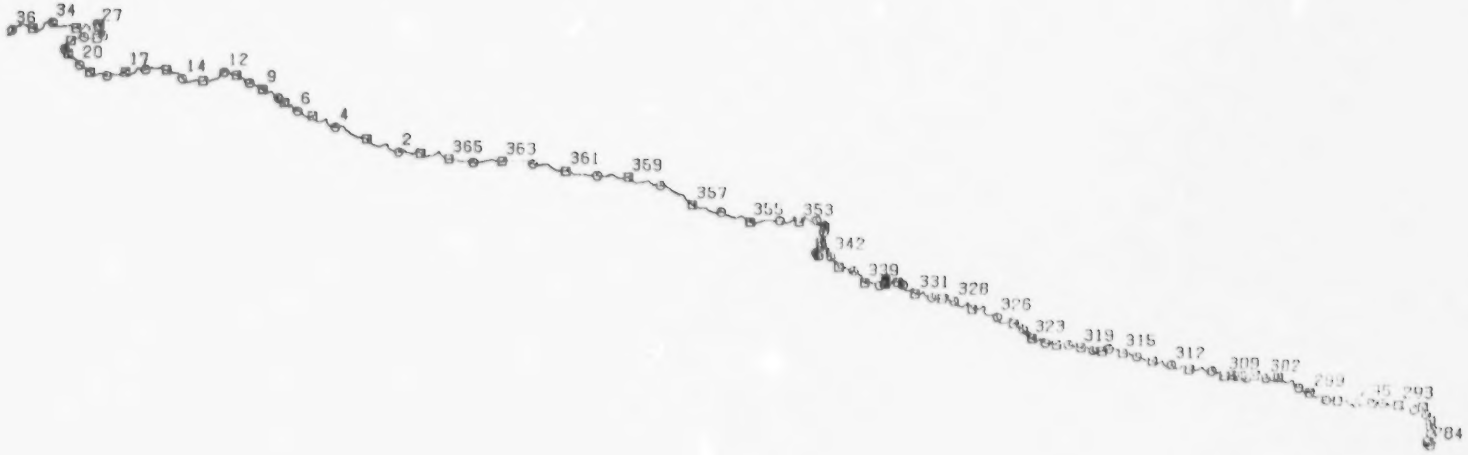
Number of zero rates: 0

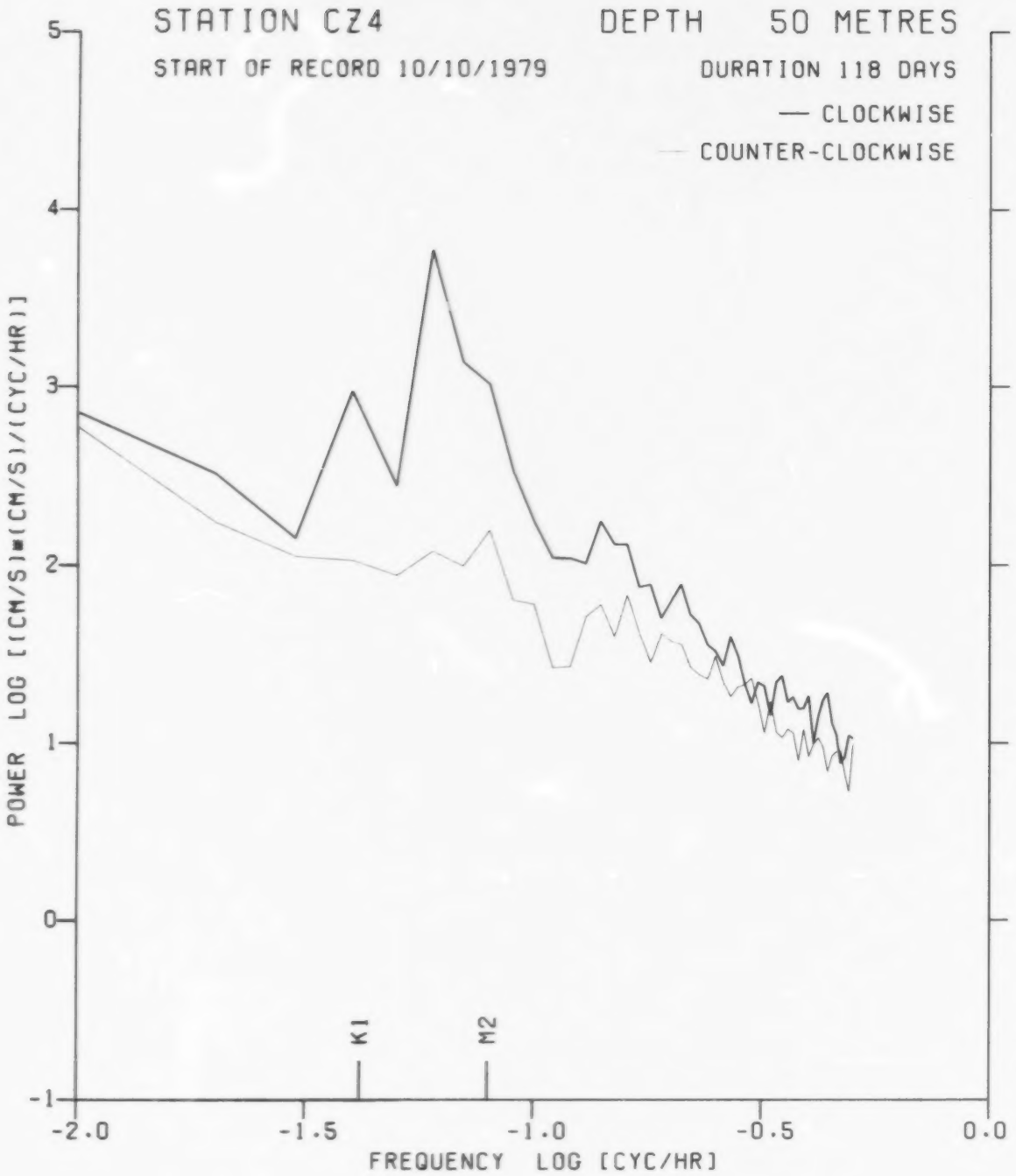
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

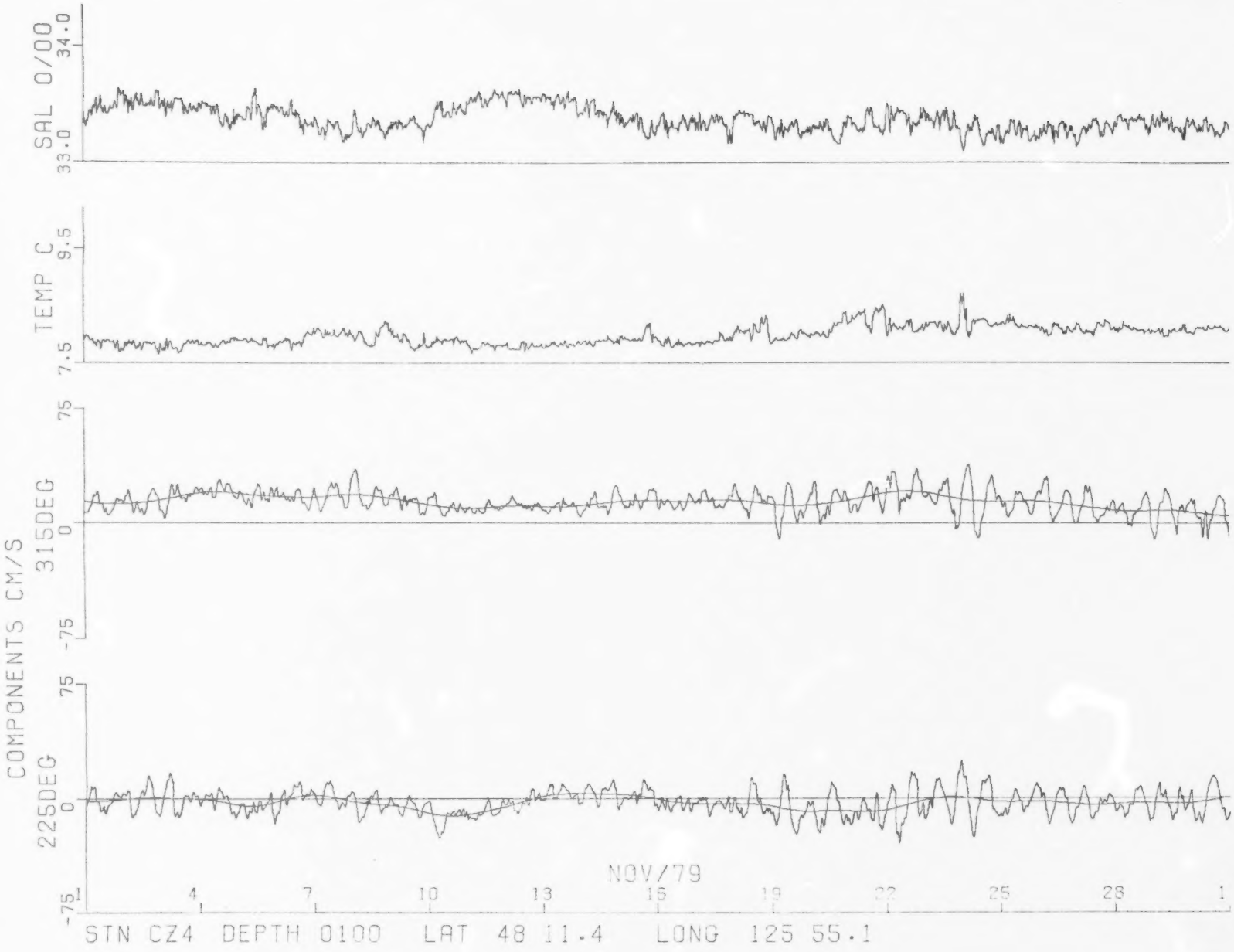
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0050M	8500	283/79	118

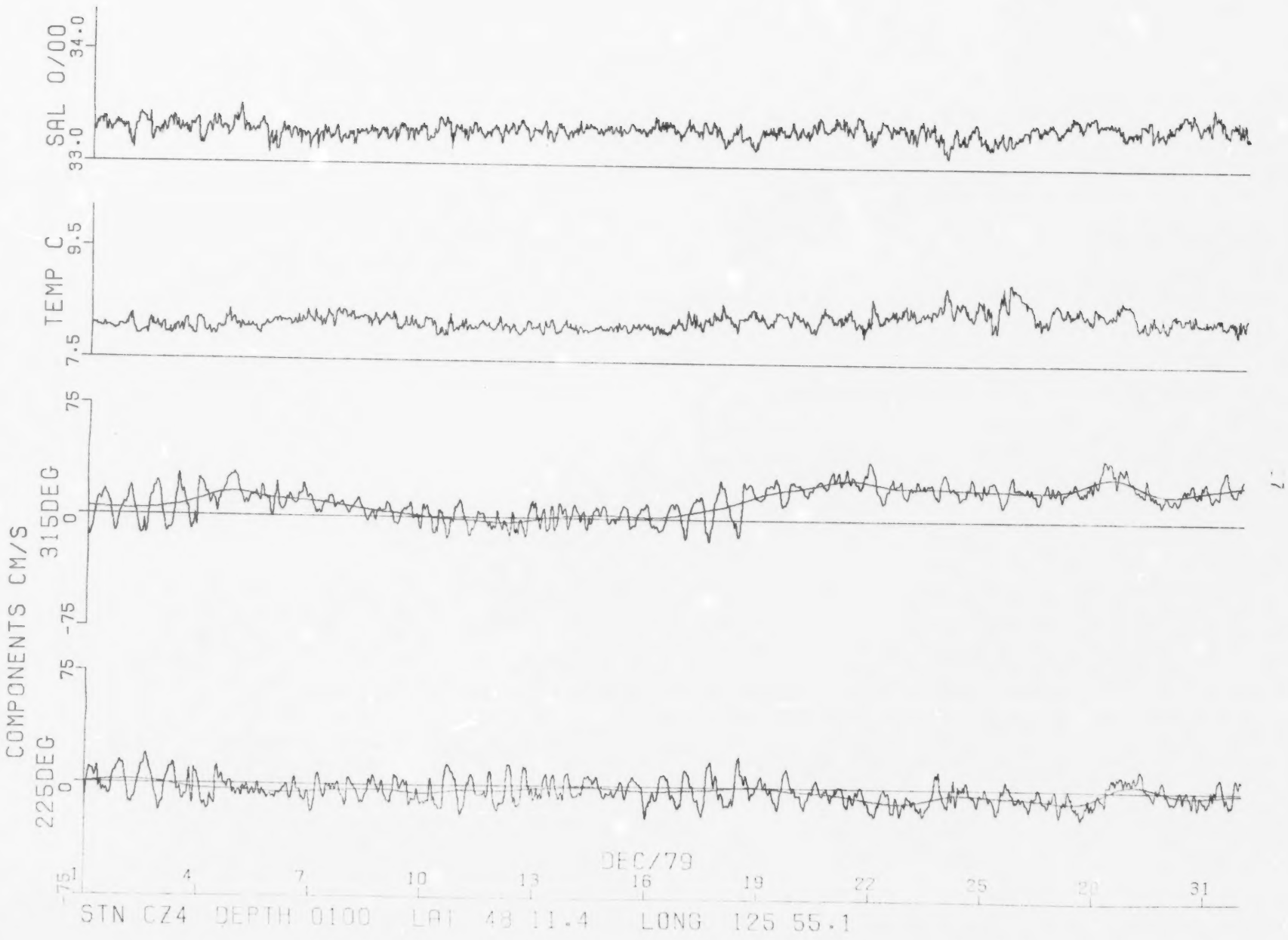
SCALE
100 KM

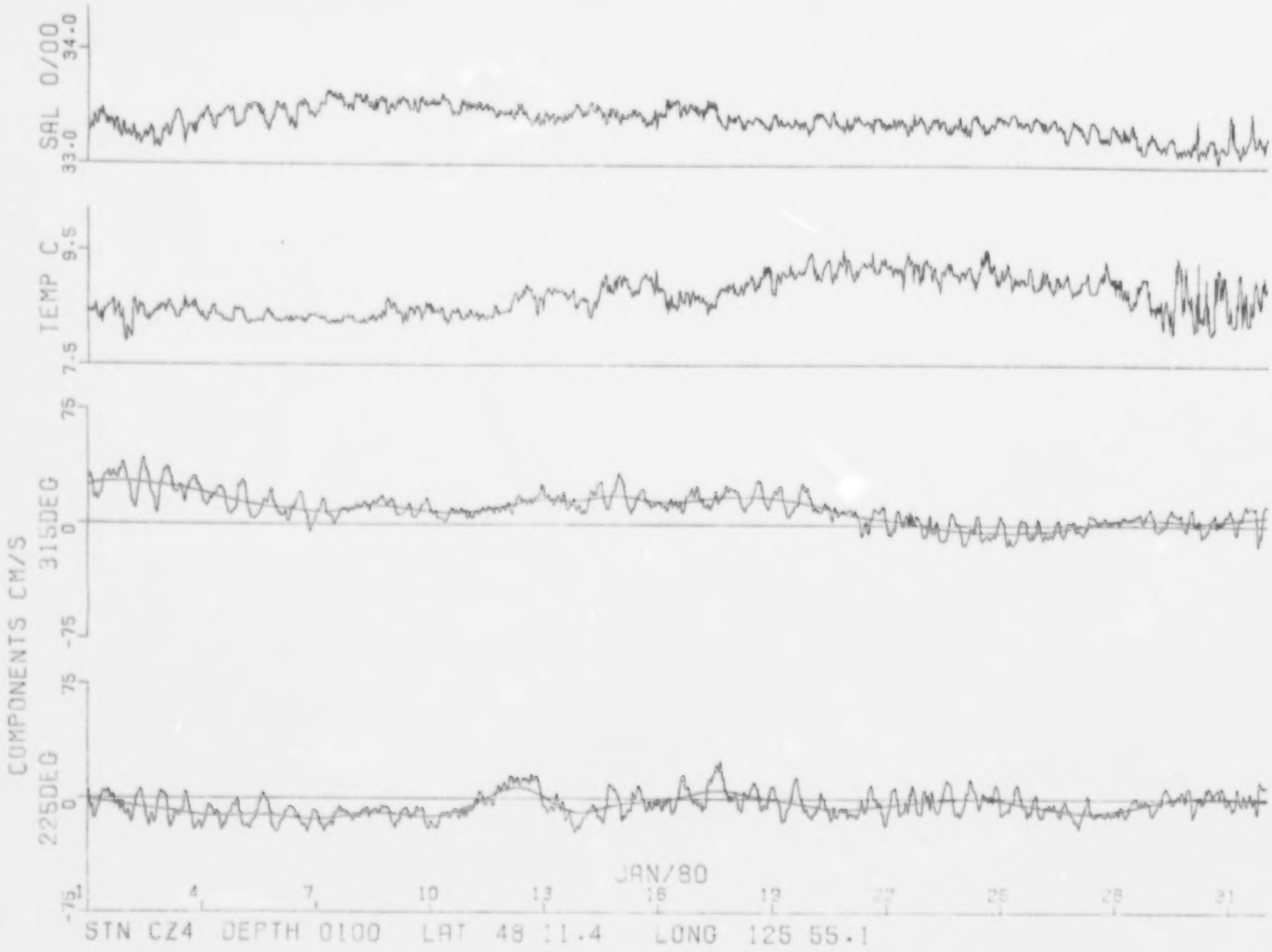



STATION CZ4
DEPTH 50 METRES
START OF RECORD 10/10/1979
DURATION 118 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

SAL 0/00
33.0
34.0
TEMP C
7.5
9.5
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
31
OCT/79
SIN CZ4 DEPTH 0100 LAT 48 11.4 LONG 125 55.1


SAL O/OO
34.0
33.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
1
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0100 LAT 48 11.4 LONG 125 55.1


SAL 0/00
34.0
33.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0100 LAT 48 11.4 LONG 125 55.1


SAL O/OO
34.0
33.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0100 LAT 48 11.4 LONG 125 55.1

STN CZ4 DEPTH 0100 LAT 48 11.4 LONG 125 55.1
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0100 PACHENA POINT 48 11.4 N 125 55.1 W Length of record .EQ. 117 Days
Start of record 0 mn 15 hr 10 dy 10 mo 79 yr PST Rate of obser. = 2 per Hour

DIR	cm/s 001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	041	112	073	046	014	005	001																		294
10- 19	001	045	091	033	032	004																				206
20- 29	004	041	085	050	024	004	001																			209
30- 39		039	062	020	009	001																				131
40- 49	006	041	036	014	003																					100
50- 59	002	020	029	017	001																					69
60- 69	002	019	028	010																						59
70- 79	001	018	034	003																						56
80- 89	005	021	020	003																						49
90- 99	003	010	022	002																						45
100-109		010	012	001																						31
110-119		019	017	002																						38
120-129		010	016	002																						28
130-139	002	017	008	002																						29
140-149	001	013	013																							27
150-159	002	010	011	002																						25
160-169		014	014	002																						30
170-179	003	011	010	002																						26
180-189		010	017	001	001																					37
190-199	003	017	015	001																						36
200-209	004	012	009	004																						29
210-219	003	013	014	006																						36
220-229	005	014	008	004	002																					33
230-239	002	010	014	001	001																					36
240-249	004	014	017	009		001																				45
250-259	003	017	026	013	004	002																				65
260-269	002	022	026	022	007	005	001																			85
270-279	002	027	056	041	018	003																				147
280-289	001	039	062	053	033	010	006	003																		207
290-299	003	028	064	062	065	042	015	005																		284
300-309	003	033	105	077	081	050	038	015																		410
310-319	008	053	133	127	124	065	037	016	006																	569
320-329	002	045	128	177	142	086	033	018	010																	641
330-339	003	060	152	162	156	085	026	015	003																	667
340-349	005	051	123	144	099	062	022	008																		512
350-359	001	046	114	097	058	033	013	003																		365
	942		1239		476		84		0		0		0		0		0		0		0		0		0	5610
	91	1783		906		197		19		0		0		0		0		0		0		0		0		

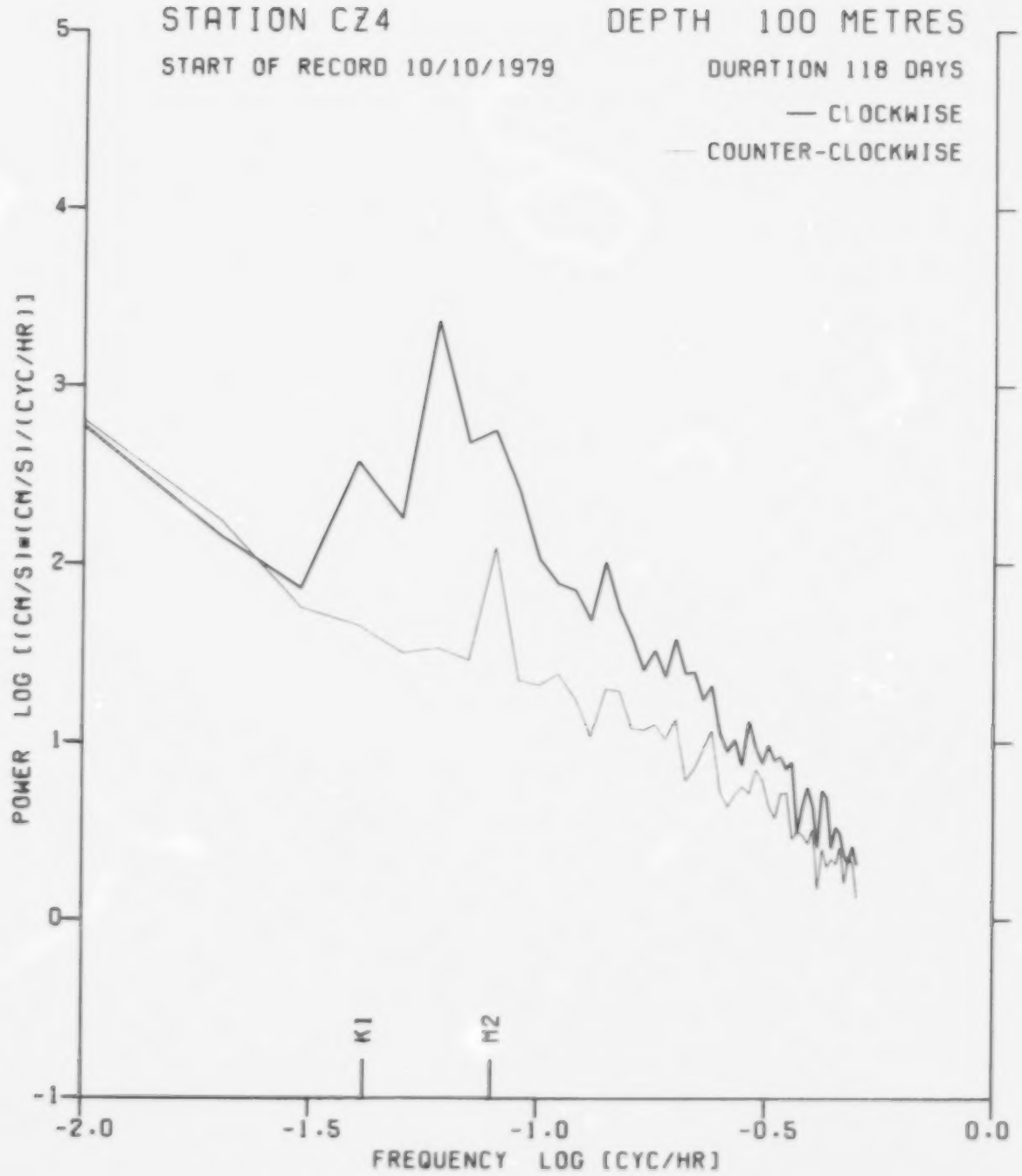
Number of zero rates: 0

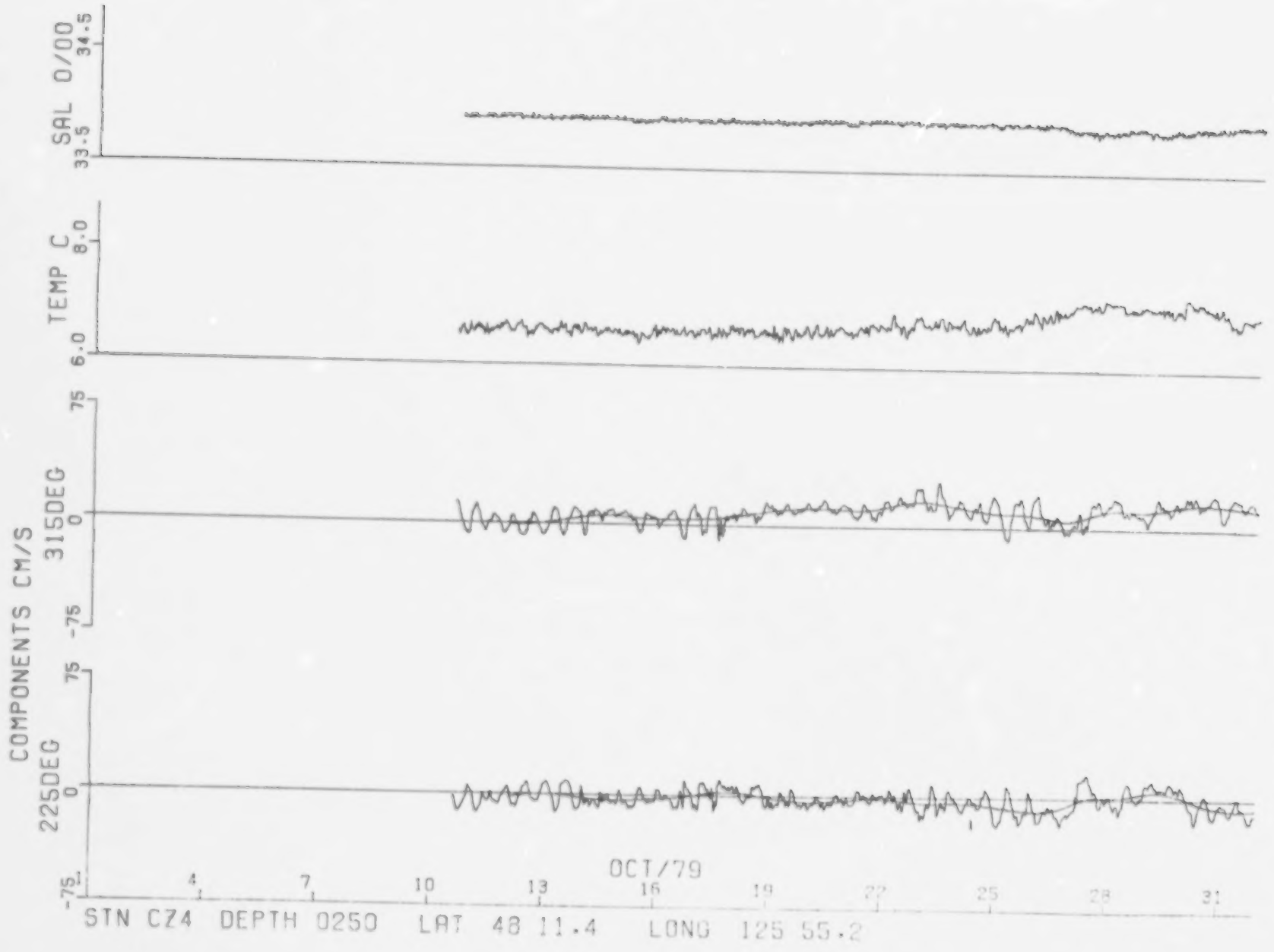
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

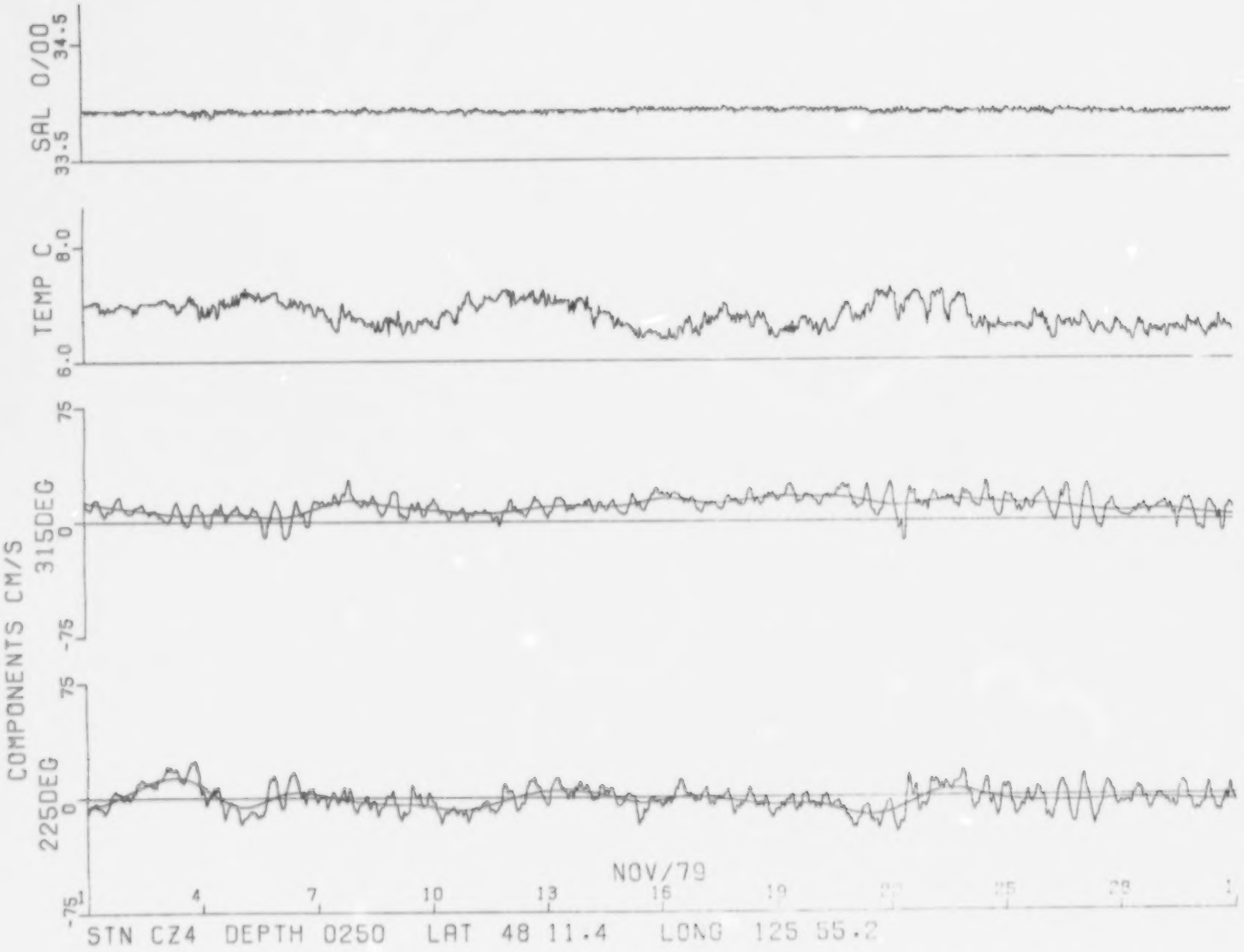
ⓞODD NUMBERED DAYS
ⓔEVEN NUMBERED DAYS

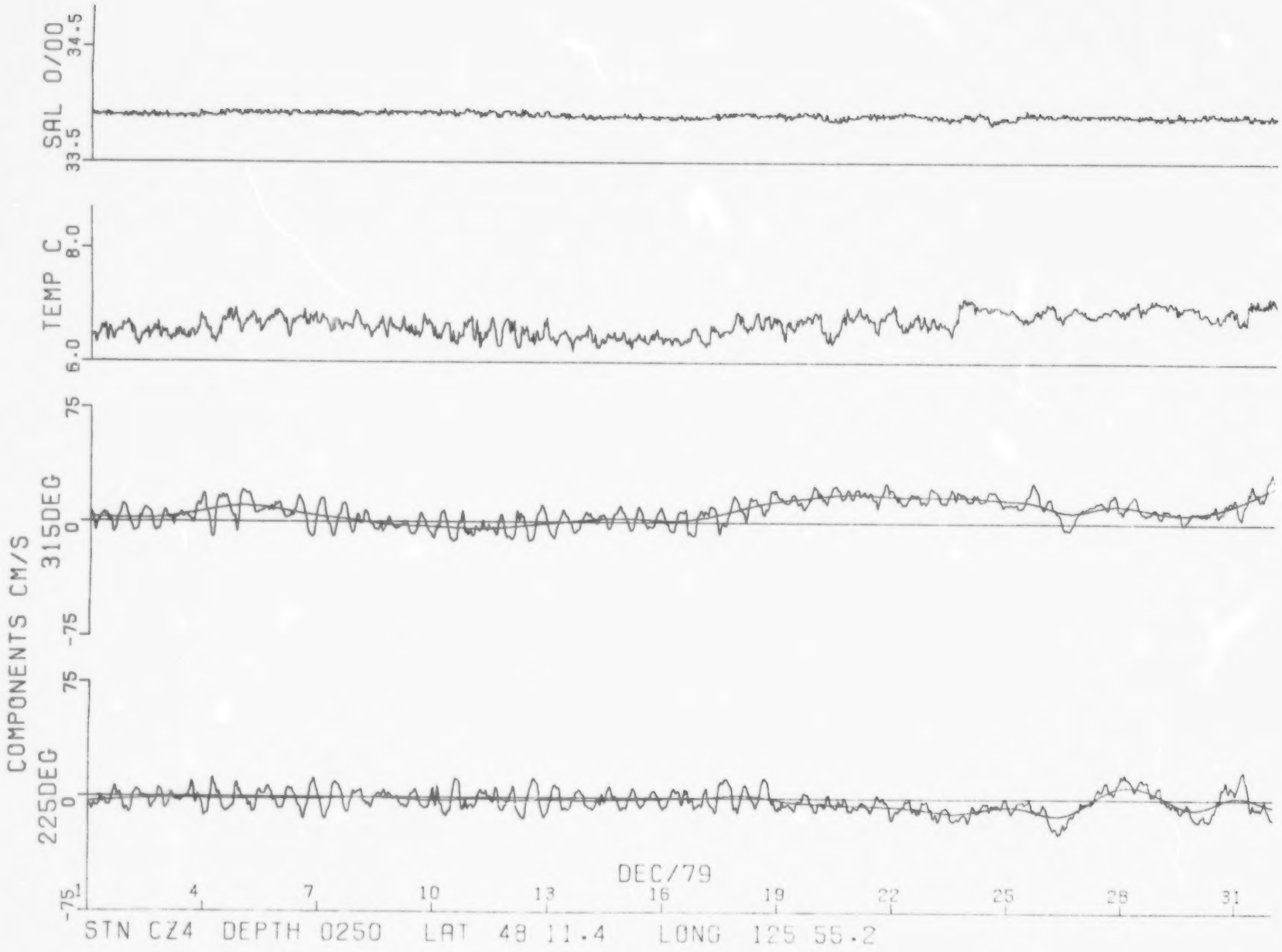
SIN DEPTH	AREA	DAY/YR	NO DAYS
CZ4 0100M	8500	283/79	118

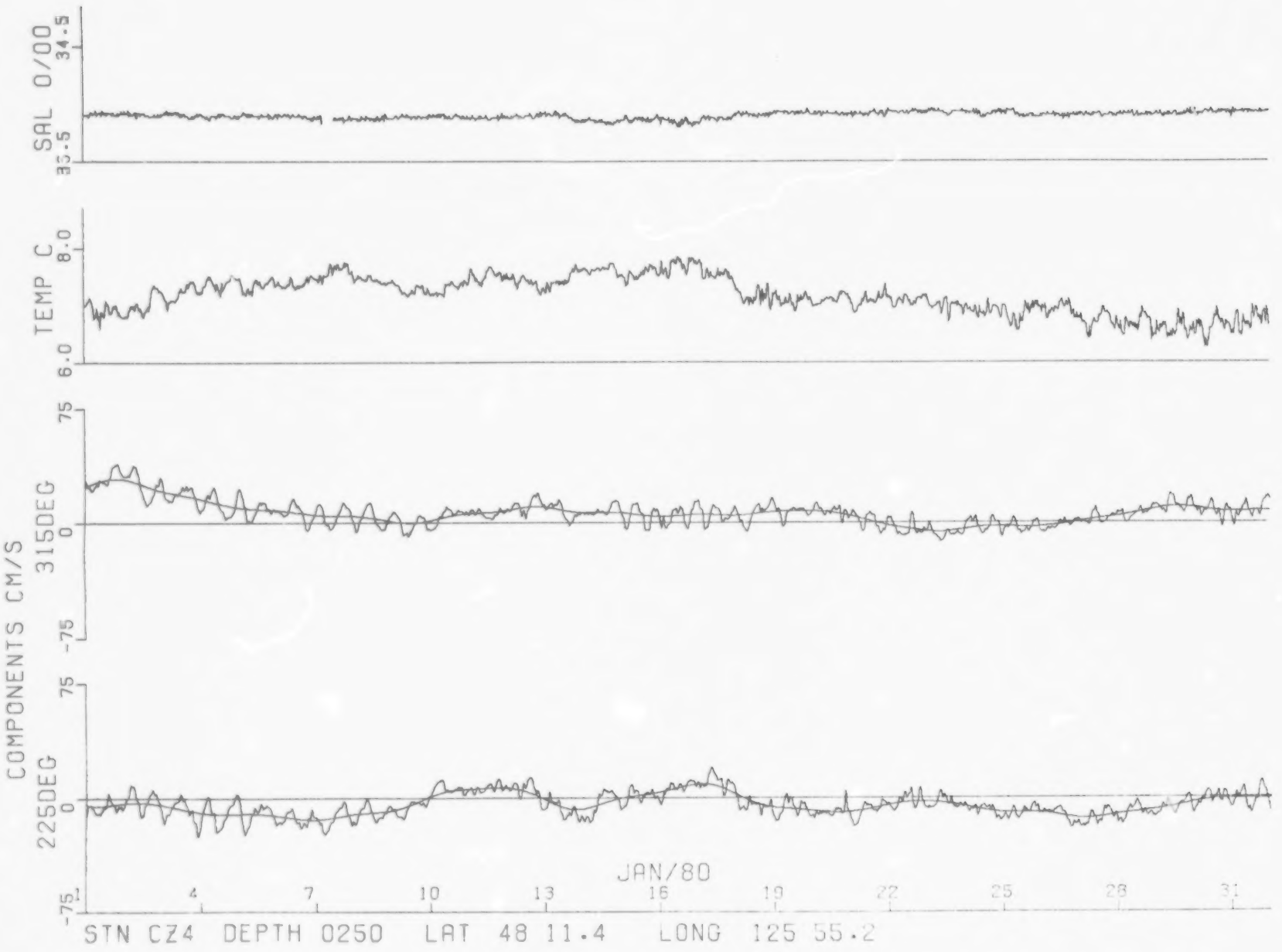
SCALE ⊢—→—+—→—⊣
100 KM

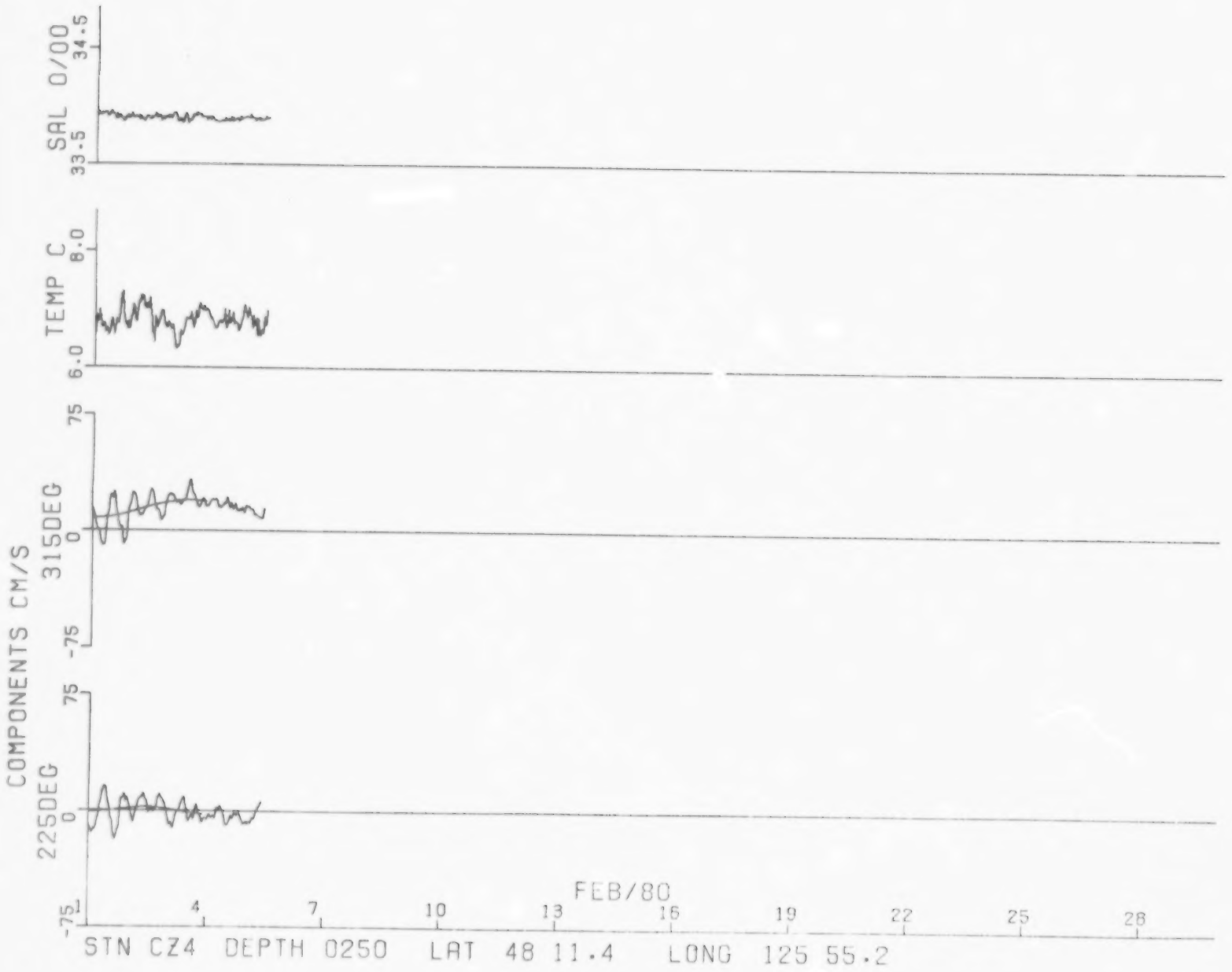

STATION CZ4
DEPTH 100 METRES
START OF RECORD 10/10/1979
DURATION 118 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.5
33.5
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0250 LAT 48 11.4 LONG 125 55.2


SAL O/OO
34.5
33.5
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
1
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0250 LAT 48 11.4 LONG 125 55.2


SAL O/OO
34.5
33.5
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0250 LAT 48 11.4 LONG 125 55.2


SAL 0/00
34.5
33.5
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0250 LAT 48 11.4 LONG 125 55.2


SAL 0/00
34.5
33.5
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
4
7
10
13
16
19
22
25
28
STN CZ4 DEPTH 0250 LAT 48 11.4 LONG 125 55.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0250 PACHENA POINT 48 11.4 N 125 55.2 W Length of record .EQ. 117 Days
Start of record 0 mn 15 hr 10 dy 10 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	004	084	089	034	017	007	001																			236
10- 19	009	102	100	055	021	006																				293
20- 29	006	086	081	071	018	002																				264
30- 39	006	063	048	023	008																					148
40- 49	009	056	043	035	004																					147
50- 59	007	040	032	022	002																					103
60- 69	007	046	031	011																						95
70- 79	003	031	026	004																						64
80- 89	006	046	011																							63
90- 99	002	046	011																							59
100-109	002	037	009																							48
110-119	004	038	004																							46
120-129	010	039	005																							54
130-139	008	024	010																							42
140-149	010	015	006																							31
150-159	011	026	007																							44
160-169	009	020	008																							37
170-179	004	022	008																							34
180-189	007	013	009																							29
190-199	008	025	003	003																						39
200-209	004	017	008	001																						30
210-219	009	026	013	007	003																					58
220-229	005	016	016	006	004																					49
230-239	004	015	023	006	002																					50
240-249	010	040	030	003	004																					87
250-259	008	047	049	017	005																					126
260-269	007	042	063	022	005																					139
270-279	005	064	065	027	005																					166
280-289	008	081	070	059	015																					233
290-299	009	064	091	079	017	002	001																			253
300-309	008	078	101	085	019	005	004	003																		303
310-319	005	093	123	098	036	014	009	003																		391
320-329	007	079	156	168	079	023	010	011																		533
330-339	008	071	178	159	096	025	008	001																		546
340-349	009	116	167	124	058	021	002																			497
350-359	008	090	106	057	048	008	001																			518
	1798		1178		113		18		0		0		0		0		0		0		0		0		0	5655
	246		1800		466		36		0		0		0		0		0		0		0		0		0	

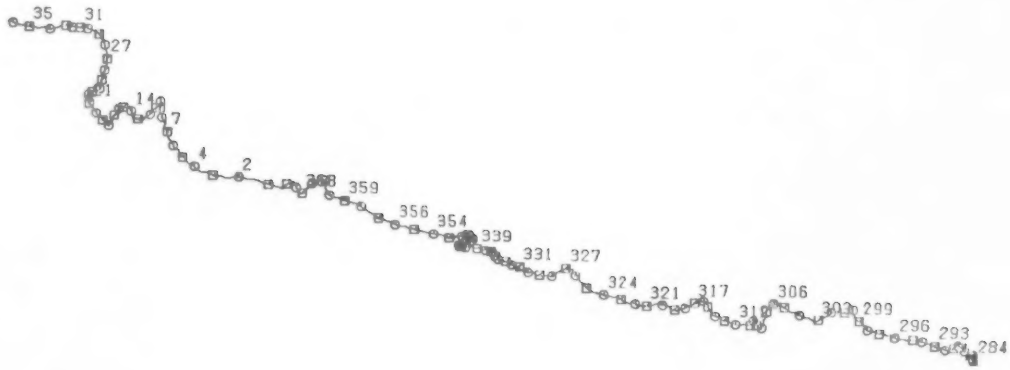
Number of zero rates: 0

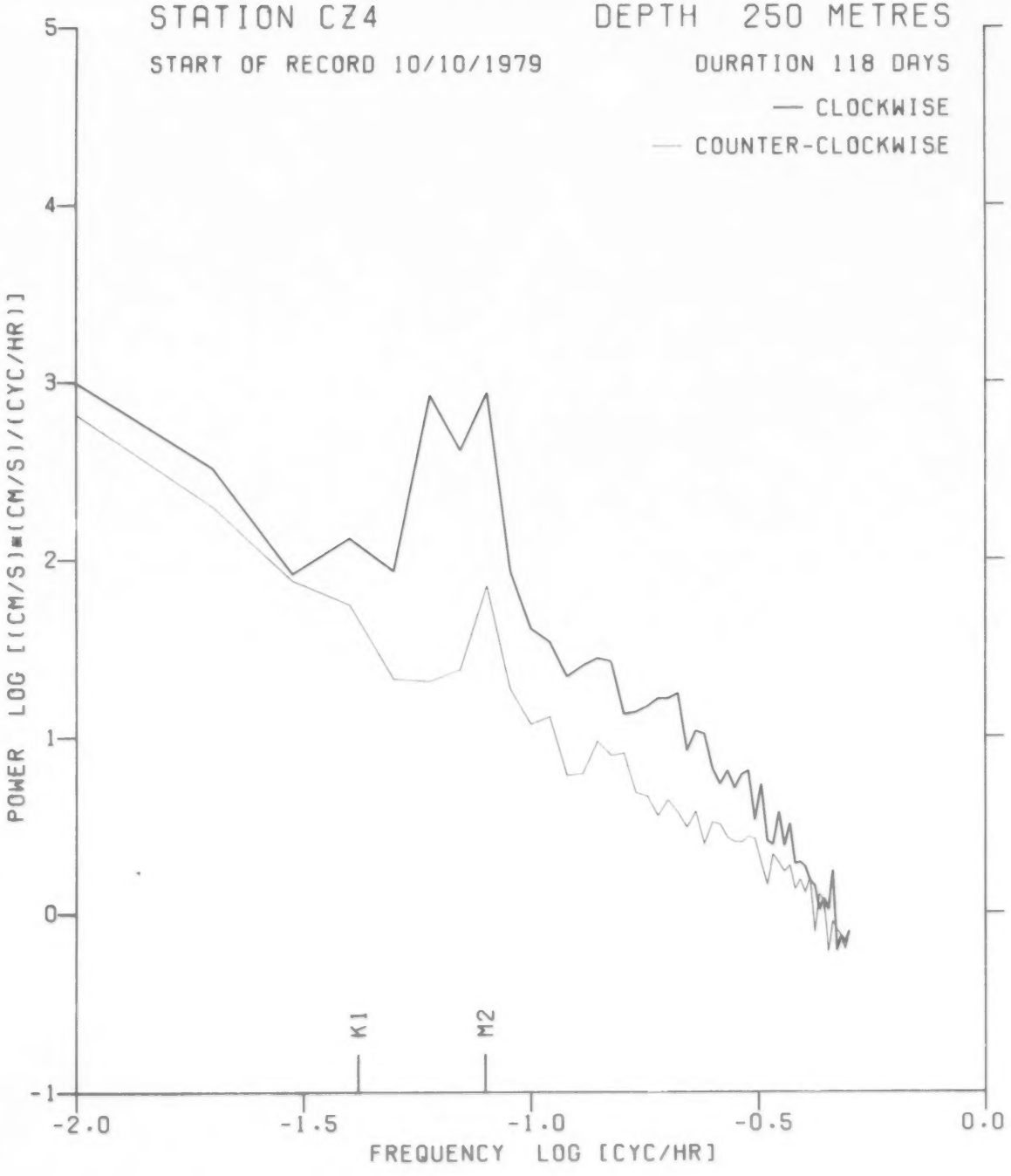
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

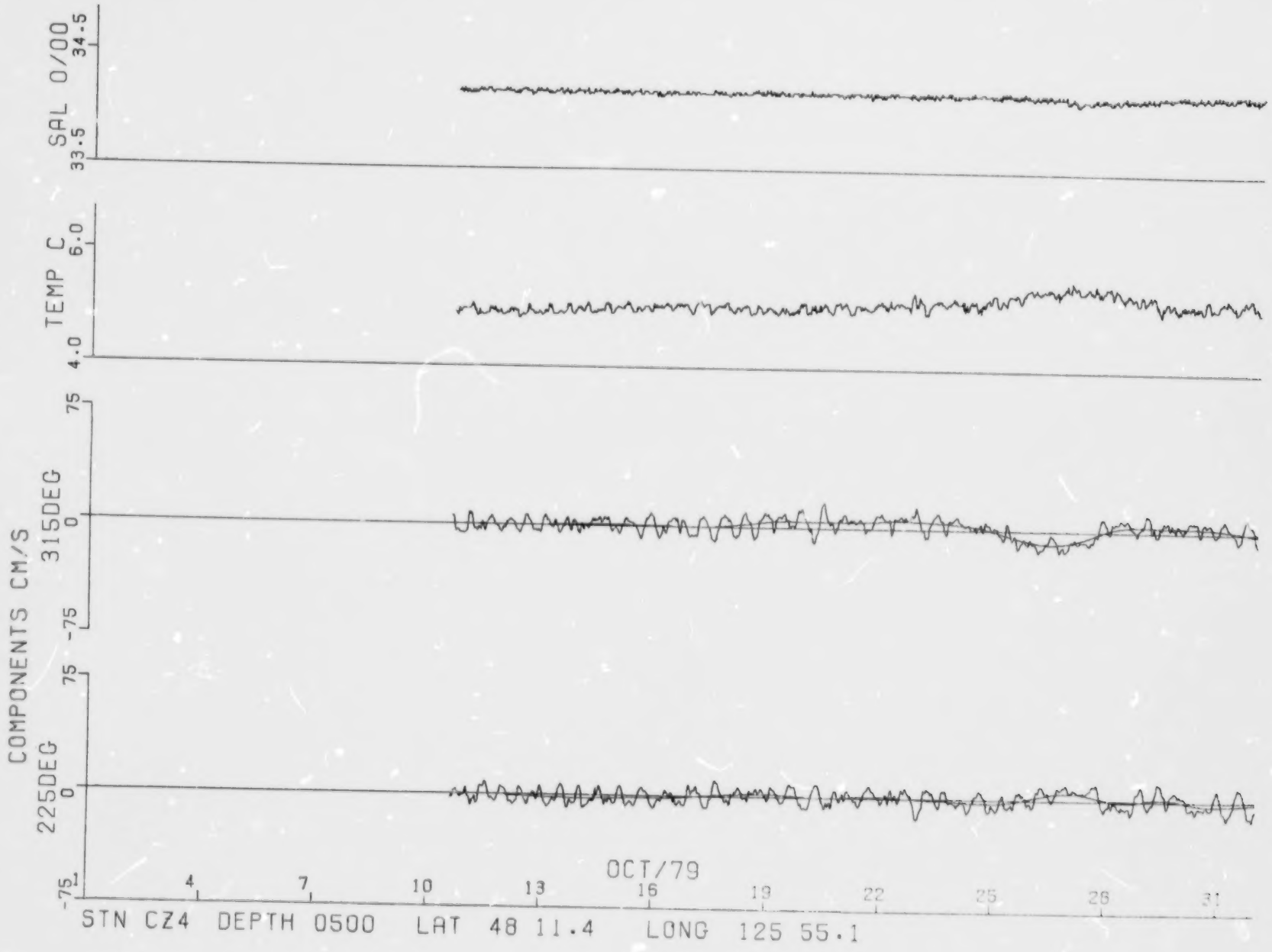
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

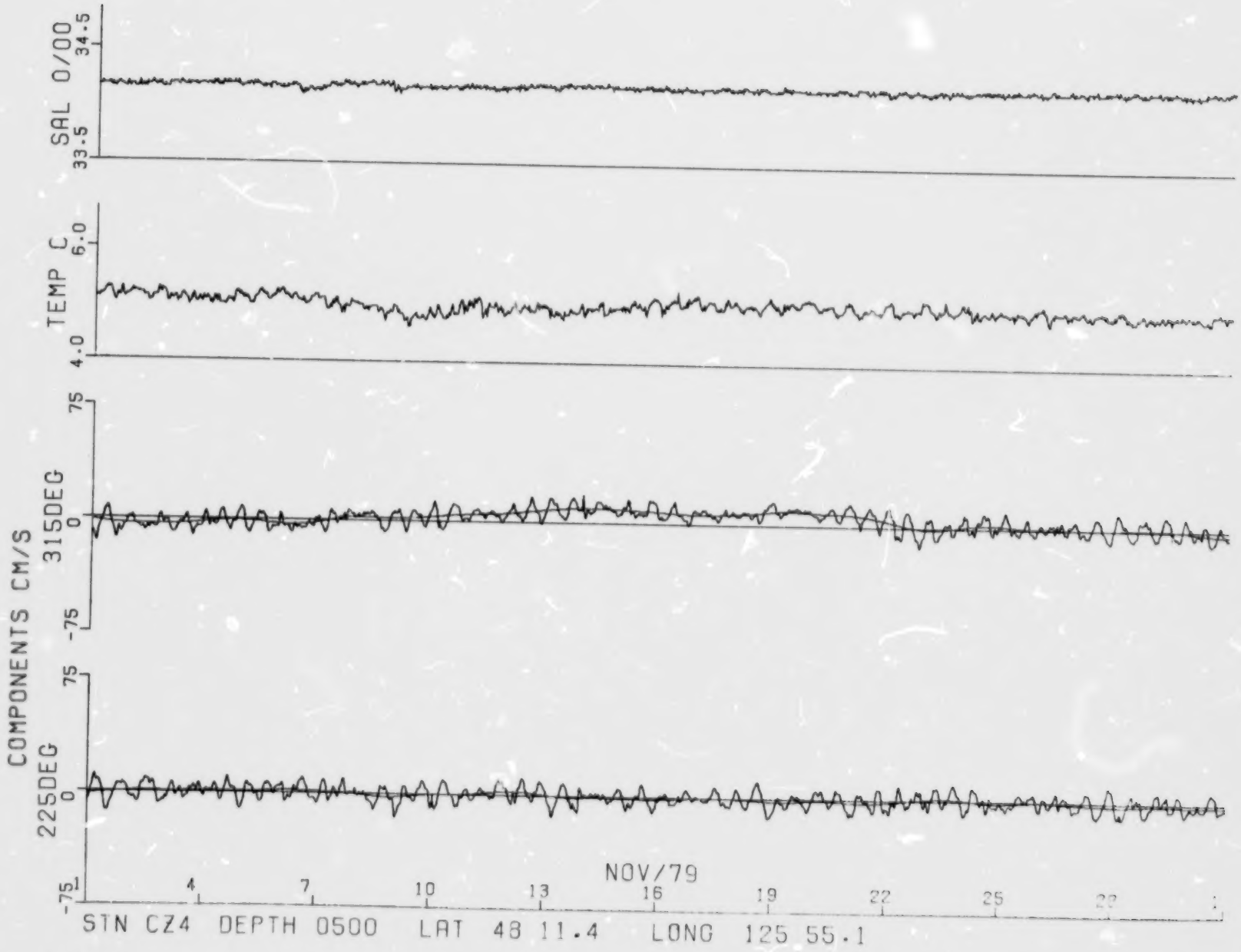
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0250M	8500	283/79	118

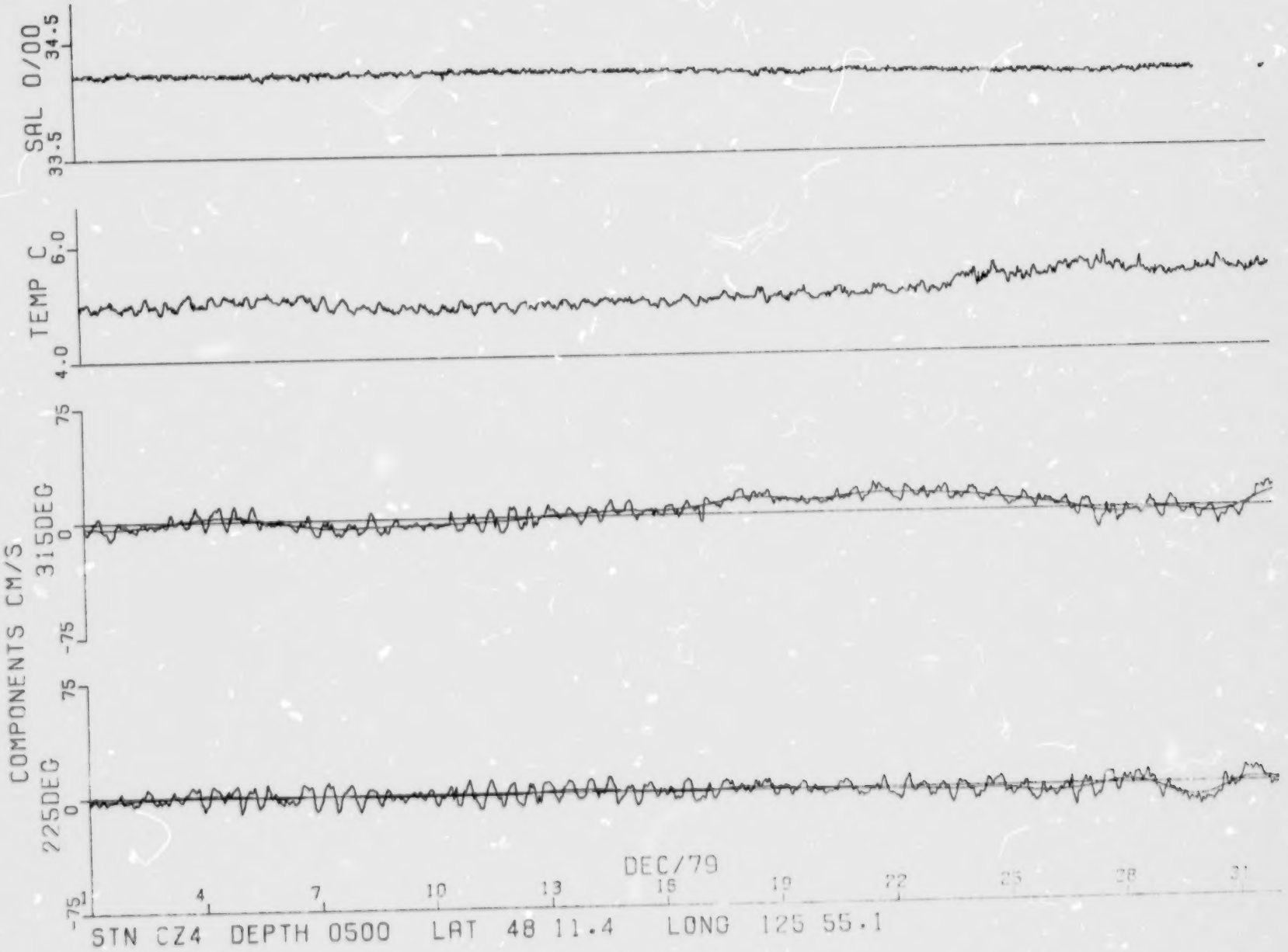
SCALE
100 KM

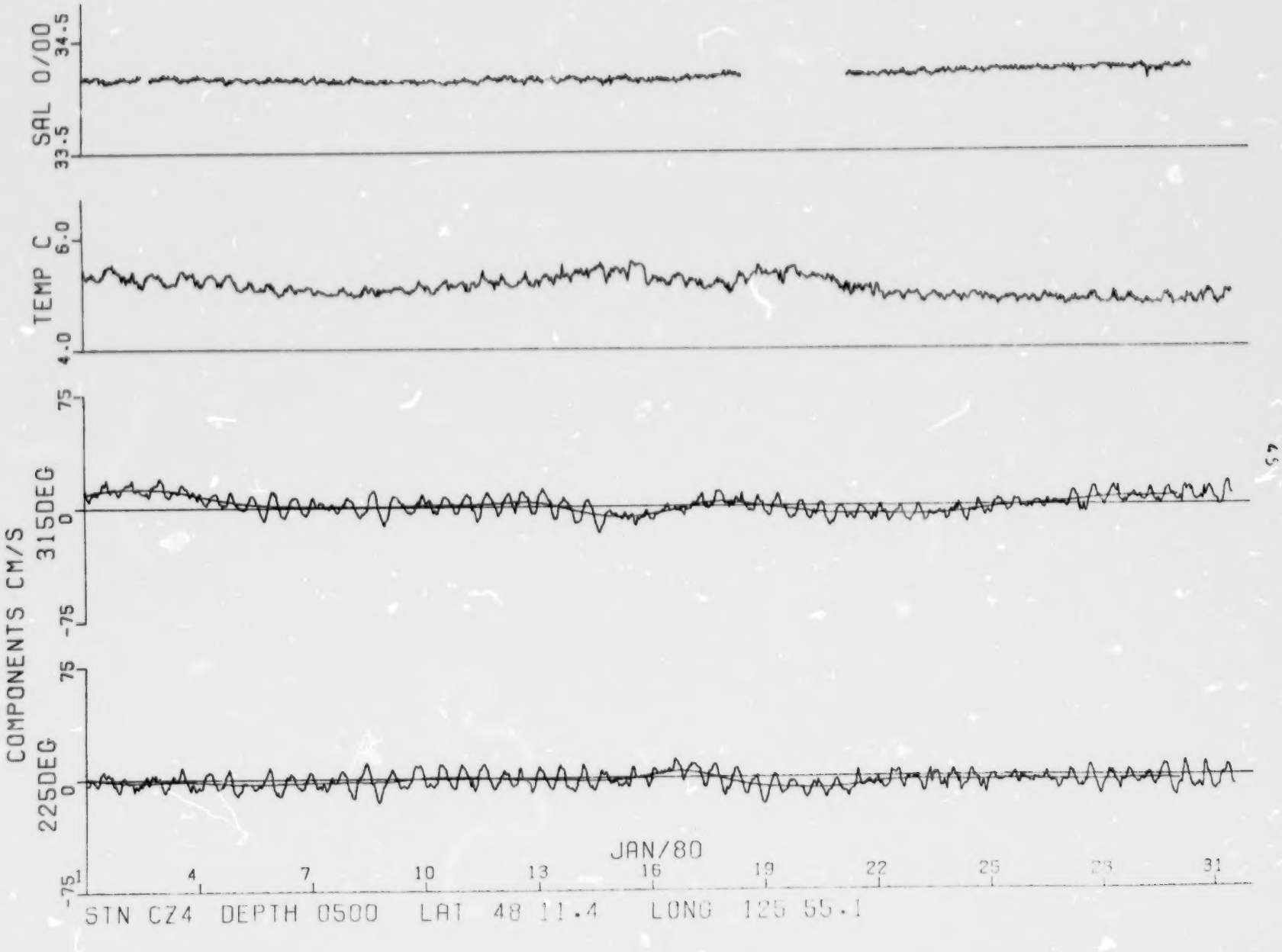



STATION CZ4
DEPTH 250 METRES
START OF RECORD 10/10/1979
DURATION 118 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0500 LAT 48 11.4 LONG 125 55.1


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
4
7
10
13
16
19
22
25
28
STN CZ4 DEPTH 0500 LAT 48 11.4 LONG 125 55.1


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0500 LAT 48 11.4 LONG 125 55.1


SAL O/OO
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0500 LAT 48 11.4 LONG 125 55.1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0500 PACHENA POINT 48 11.4 N 125 55.1 W Length of record .EQ. 112 Days
Start of record 0 mn 15 hr 10 dy 10 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	032	114	038	004																						188
10- 19	037	095	033	003																						168
20- 29	039	116	030	002																						187
30- 39	034	066	025	004																						129
40- 49	039	082	015	002																						138
50- 59	035	079	026	003																						143
60- 69	045	075	028	001																						149
70- 79	051	056	019	004																						130
80- 89	038	076	021																							135
90- 99	038	051	013																							102
100-109	035	087	018	002																						142
110-119	042	063	018																							123
120-129	024	071	022																							117
130-139	031	070	017	001																						119
140-149	035	065	015	003																						118
150-159	034	080	017	003																						134
160-169	026	090	020	005																						141
170-179	019	074	020	002																						115
180-189	026	064	010																							100
190-199	020	079	011																							110
200-209	027	062	007																							96
210-219	030	057	008																							95
220-229	022	065	003																							90
230-239	032	071	003																							106
240-249	023	079	005																							107
250-259	030	053	006																							89
260-269	025	063	011																							99
270-279	036	071	006																							113
280-289	027	096	028	003																						154
290-299	029	114	045	011																						199
300-309	034	123	079	019																						255
310-319	026	154	092	024																						296
320-329	031	135	082	029	001																					278
330-339	034	134	082	018	001																					269
340-349	026	147	066	016																						255
350-359	041	118	058	013	001																					231
	3095		172		0		0		0		0		0		0		0		0		0		0		0	5420
	1153	997		3		0		0		0		0		0		0		0		0		0		0		

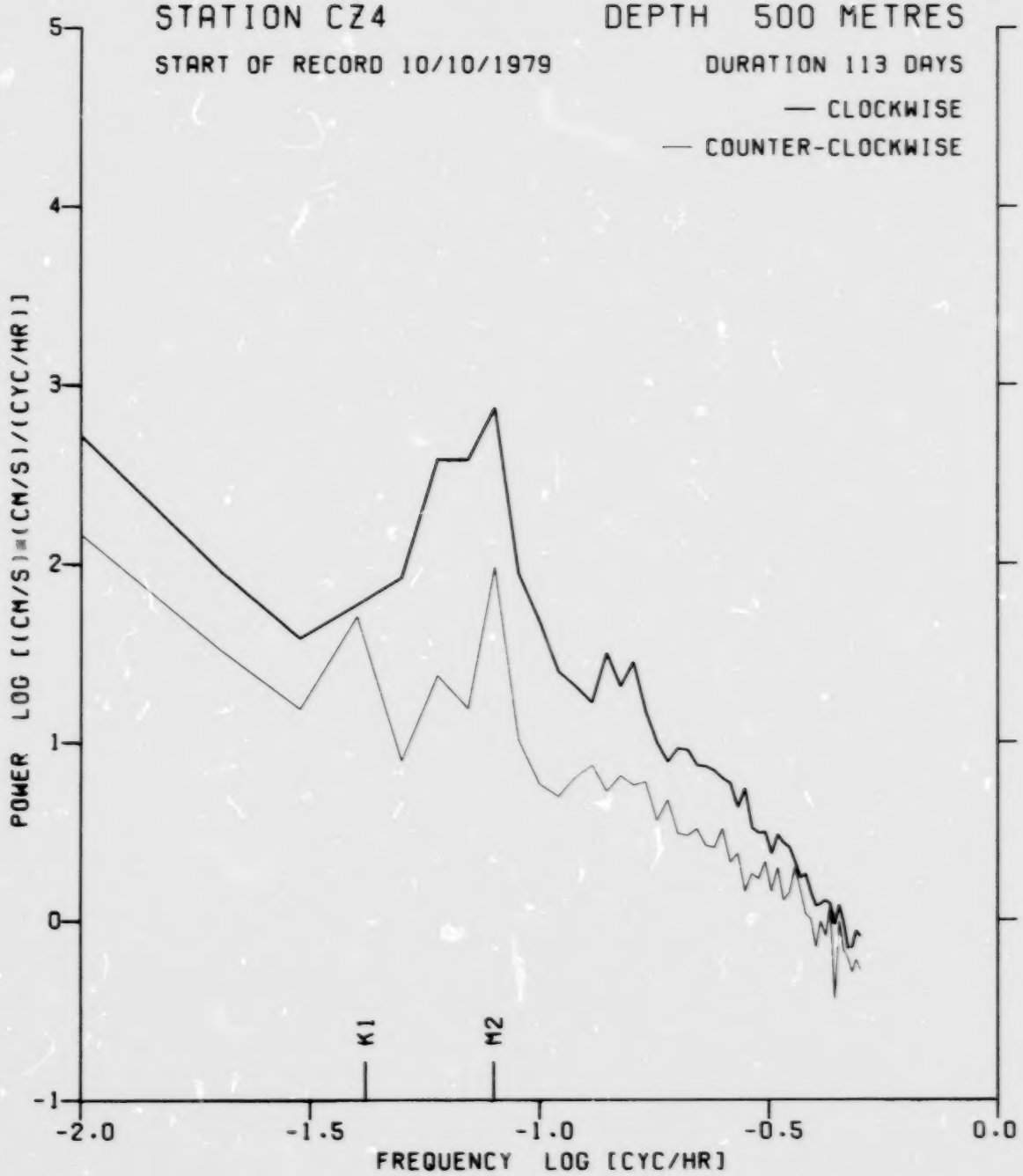
Number of zero rates: 0

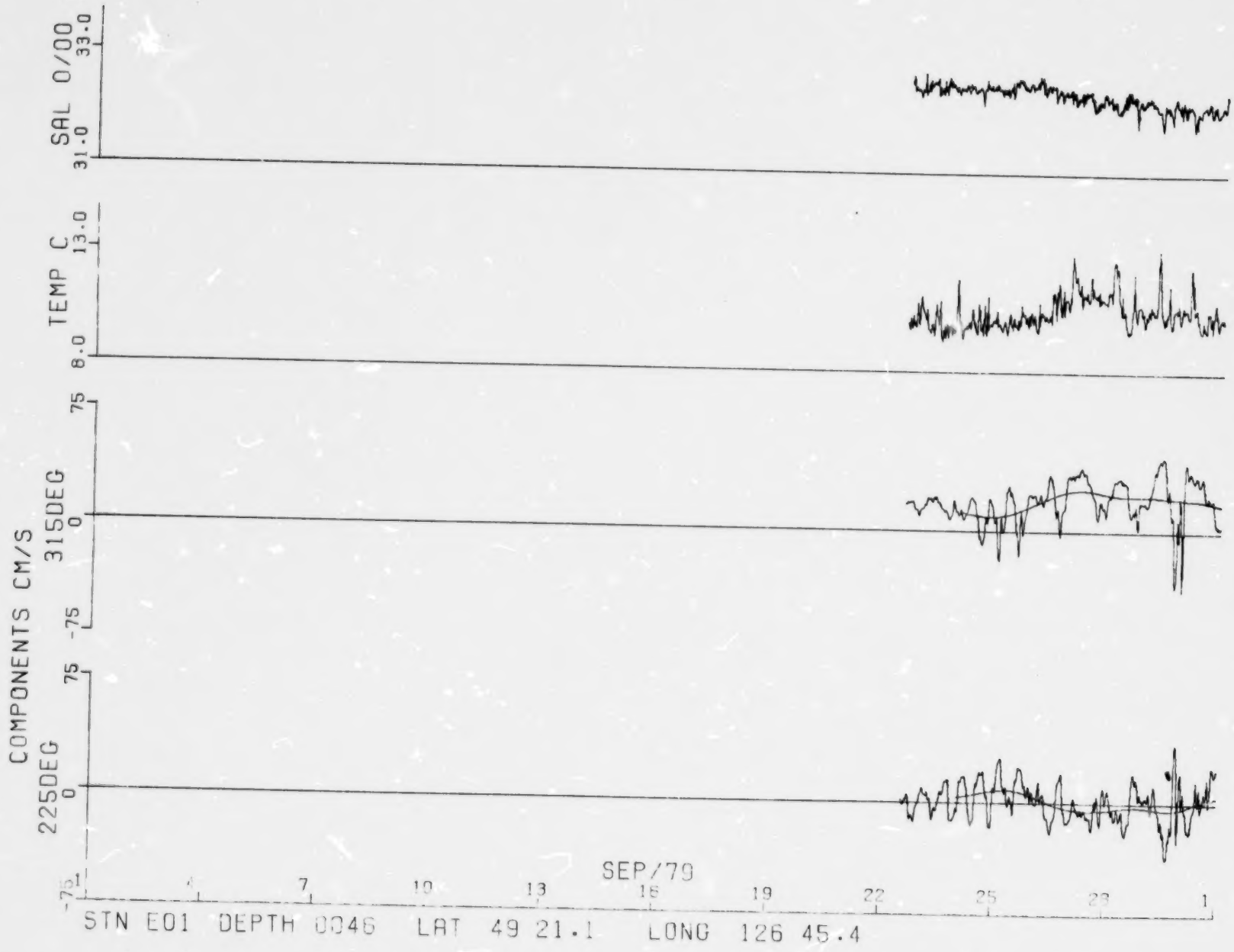
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

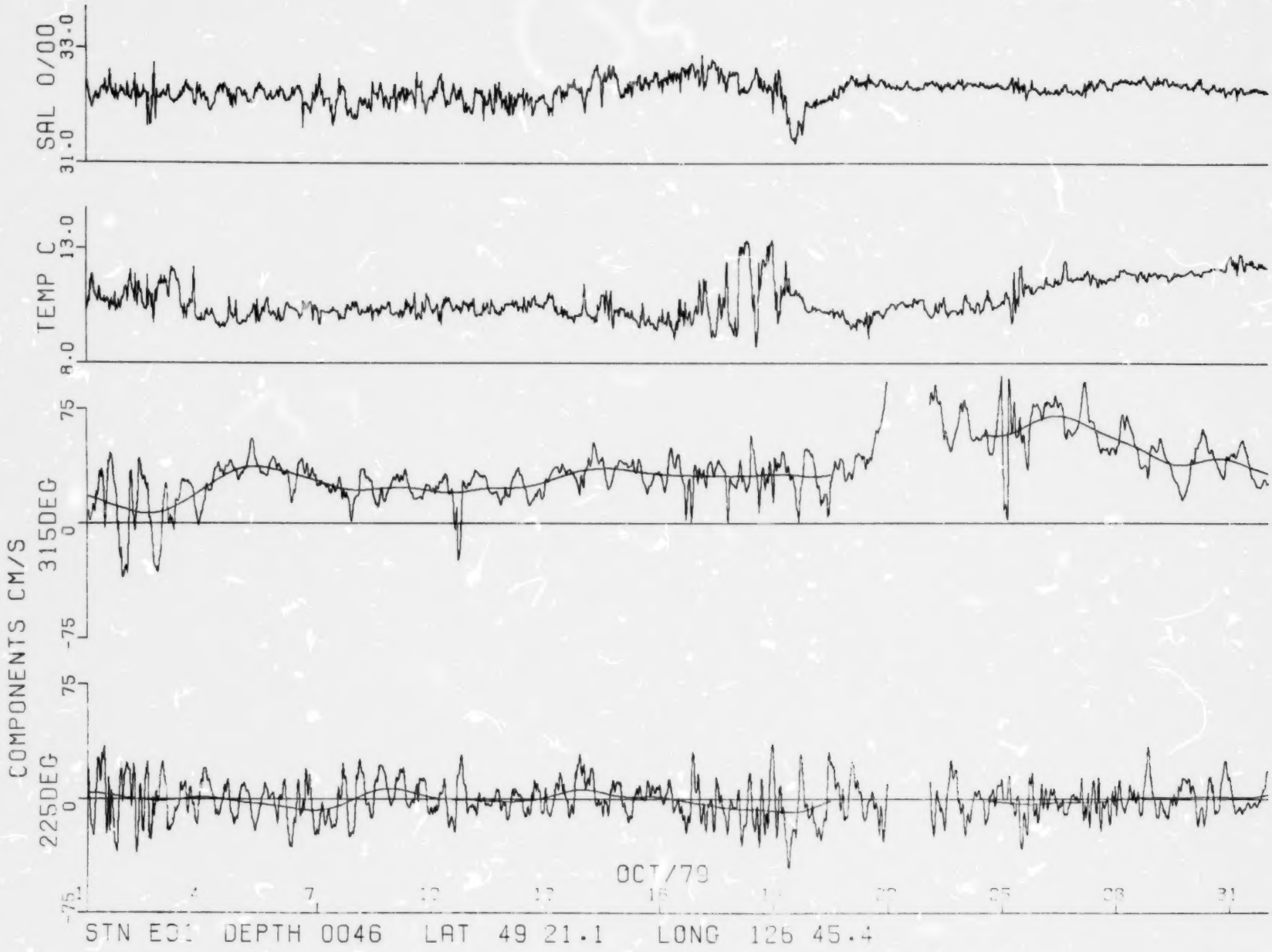
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

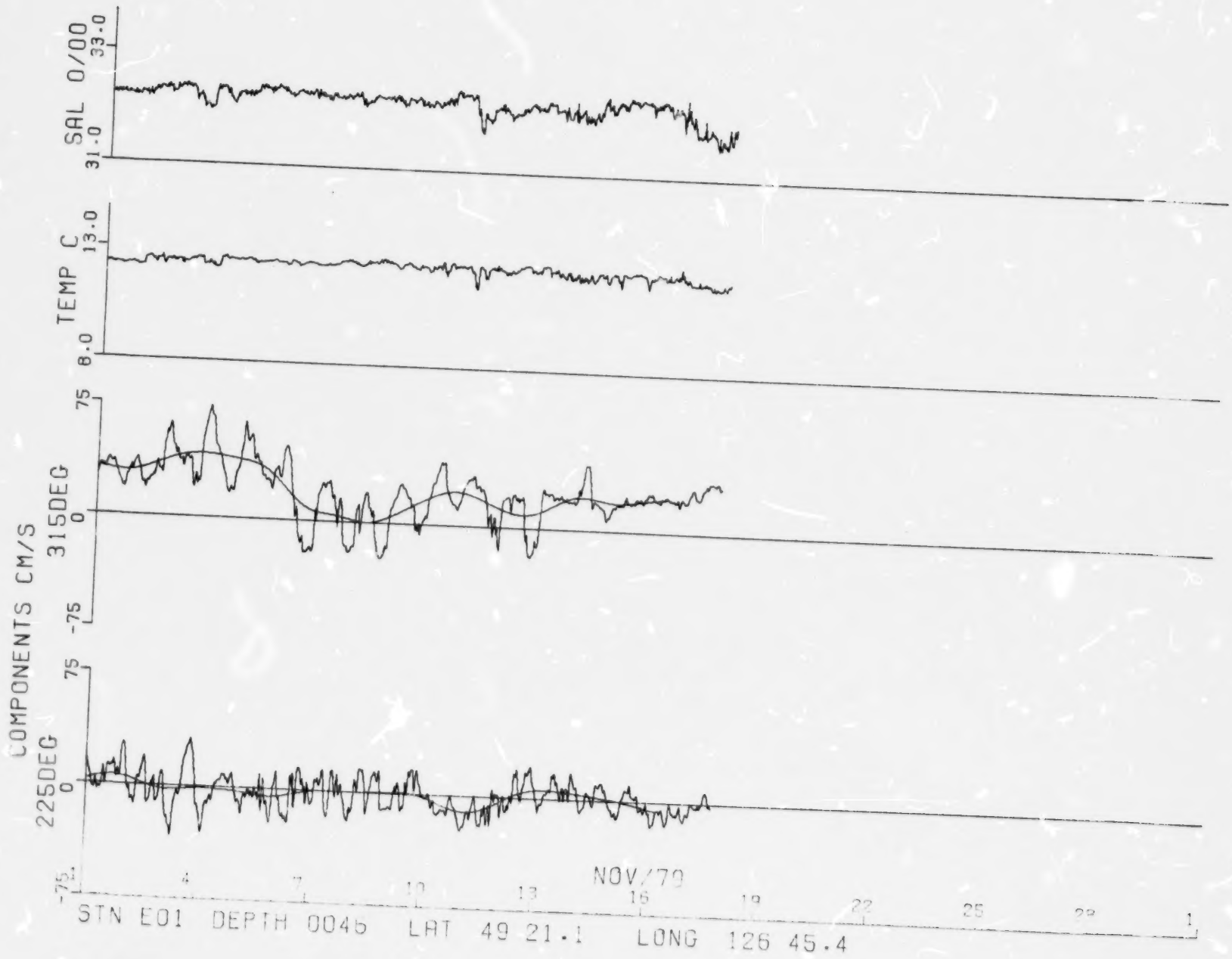
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0500M	8500	283/79	113

SCALE 50 KM


STATION CZ4
DEPTH 500 METRES
START OF RECORD 10/10/1979
DURATION 113 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²=(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.0
31.0
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0046 LAT 49 21.1 LONG 126 45.4


SAL 0/00
33.0
31.0
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
7
STN EC1 DEPTH 0046 LAT 49 21.1 LONG 126 45.4


SAL 0/00
33.0
31.0
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0046 LAT 49 21.1 LONG 126 45.4

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E01 Depth 0046 ESTEVAN POINT 49 21.1 N 126 45.4 W Length of record .EQ. 55 Days
Start of record 30 mn 13 hr 22 dy 9 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	001		004	014	005	005	005	004	002	001		002														43
10- 19		003	005	008	013	006		004																		39
20- 29			002	007	005	005		003																		22
30- 39			001	009	008	003	001	002																		24
40- 49		001	001	003	005		001																			11
50- 59		001	002	003																						6
60- 69		001	004	002	001																					8
70- 79			002		001	001																				4
80- 89		003	001	003																						7
90- 99				001				001																		2
100-109				001	004			001		001																7
110-119				005	002	001		001																		9
120-129				003	002																					5
130-139	001		001	004		002	002	001																		11
140-149	001	002	001	006	005	002	001																			18
150-159				005	002	001		001																		9
160-169	001		001	008	004	003		002																		19
170-179	001			004	005	001		003																		14
180-189		001		004	001	002	001																			9
190-199		003	003	005		001	001																			13
200-209		001	001	003																						5
210-219			001	003	003	002		002																		11
220-229			001	004	001	003																				9
230-239	002	002	001	009	010		002																			26
240-249		002	001	008	005	002	001																			19
250-259	001		003	013	012	002	003	001	002																	37
260-269		001	003	010	010	005	007	004	003	001																44
270-279		001	006	012	022	011	011	009	006	002	001															81
280-289		002	002	008	030	014	025	015	011	003	002	001														113
290-299		001	004	032	046	038	032	026	009	007	004	001	003													203
300-309	001	001	002	038	051	046	061	045	029	028	015	007	006	005	005	003	001	001	002	001						348
310-319	002	002	008	047	050	045	059	061	044	037	018	032	017	012	011	026	007	003	004	001						486
320-329		001	003	025	060	052	061	065	056	041	022	024	015	009	011	015	006	005	002							473
330-339		001	004	023	049	049	035	044	025	010	010	004	003	002	003	003	003									268
340-349			005	022	038	027	017	016	010	005	001	002	002	001	001											147
350-359	001	002	005	022	009	010	010	014	003	006																95
	32		374		387		326		142		73		29		47		9		2		0		0		0	2645
	12		76		159		139		202		73		46		31		17		8		9		0		0	

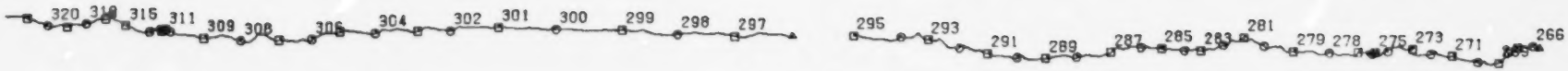
Number of zero rates: 0

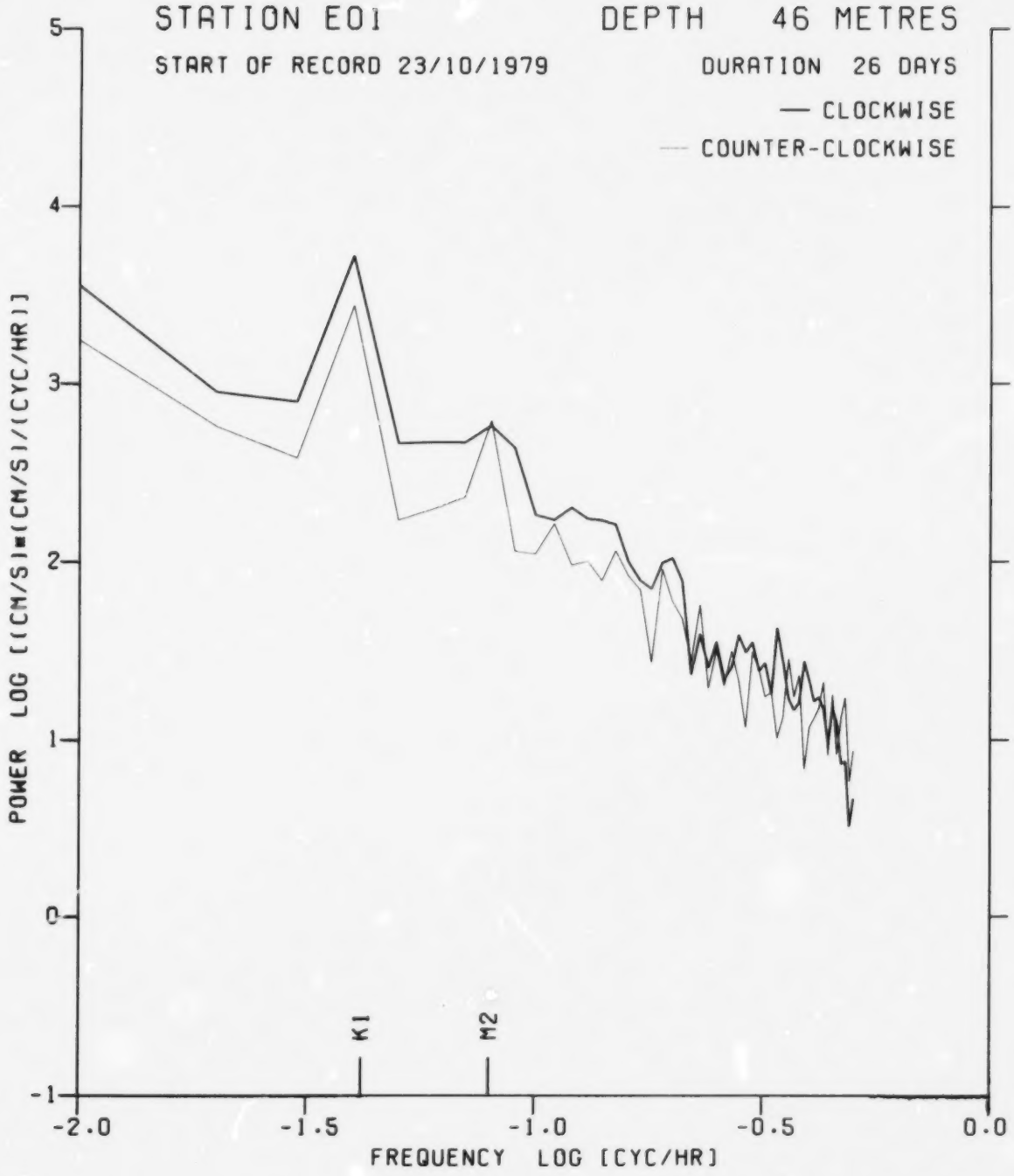
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

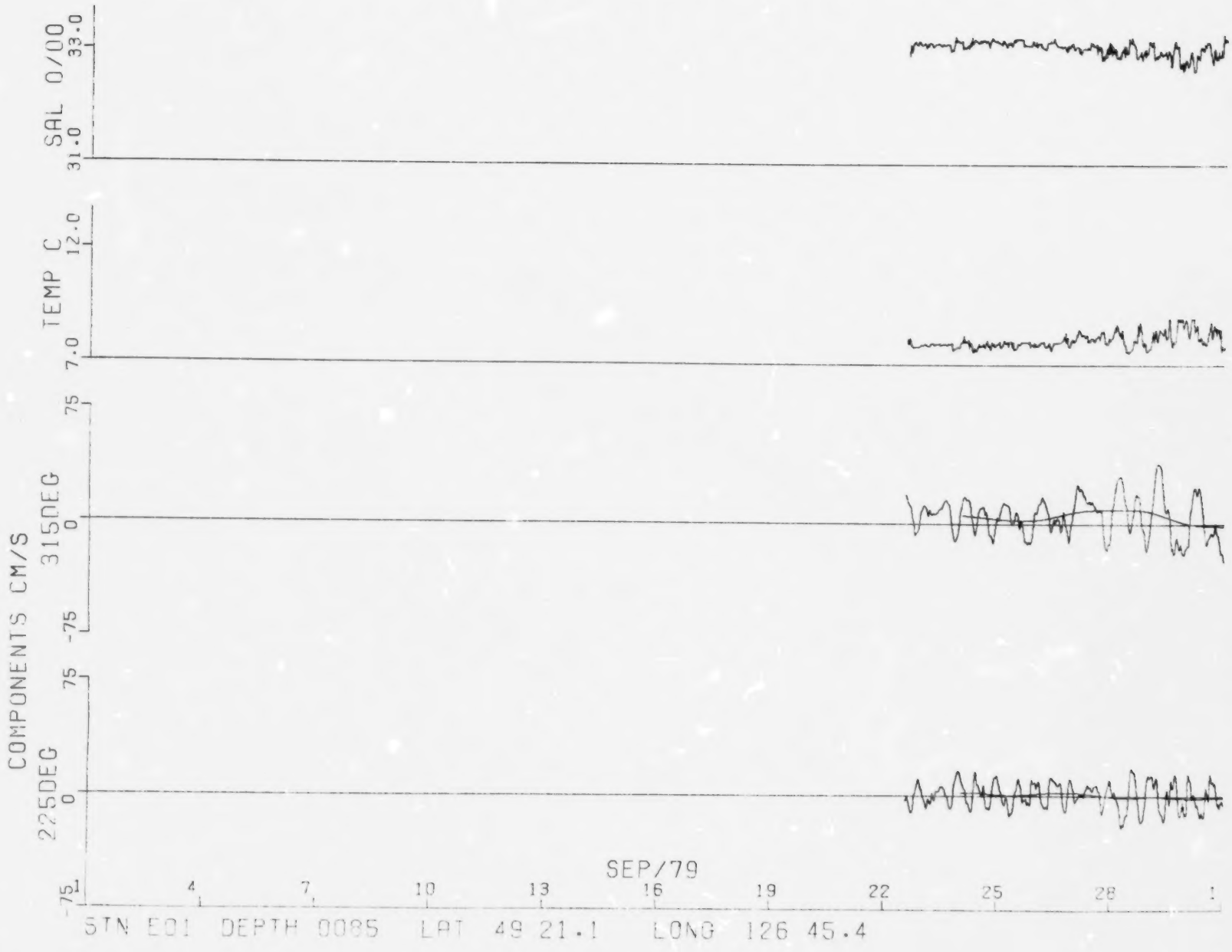
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

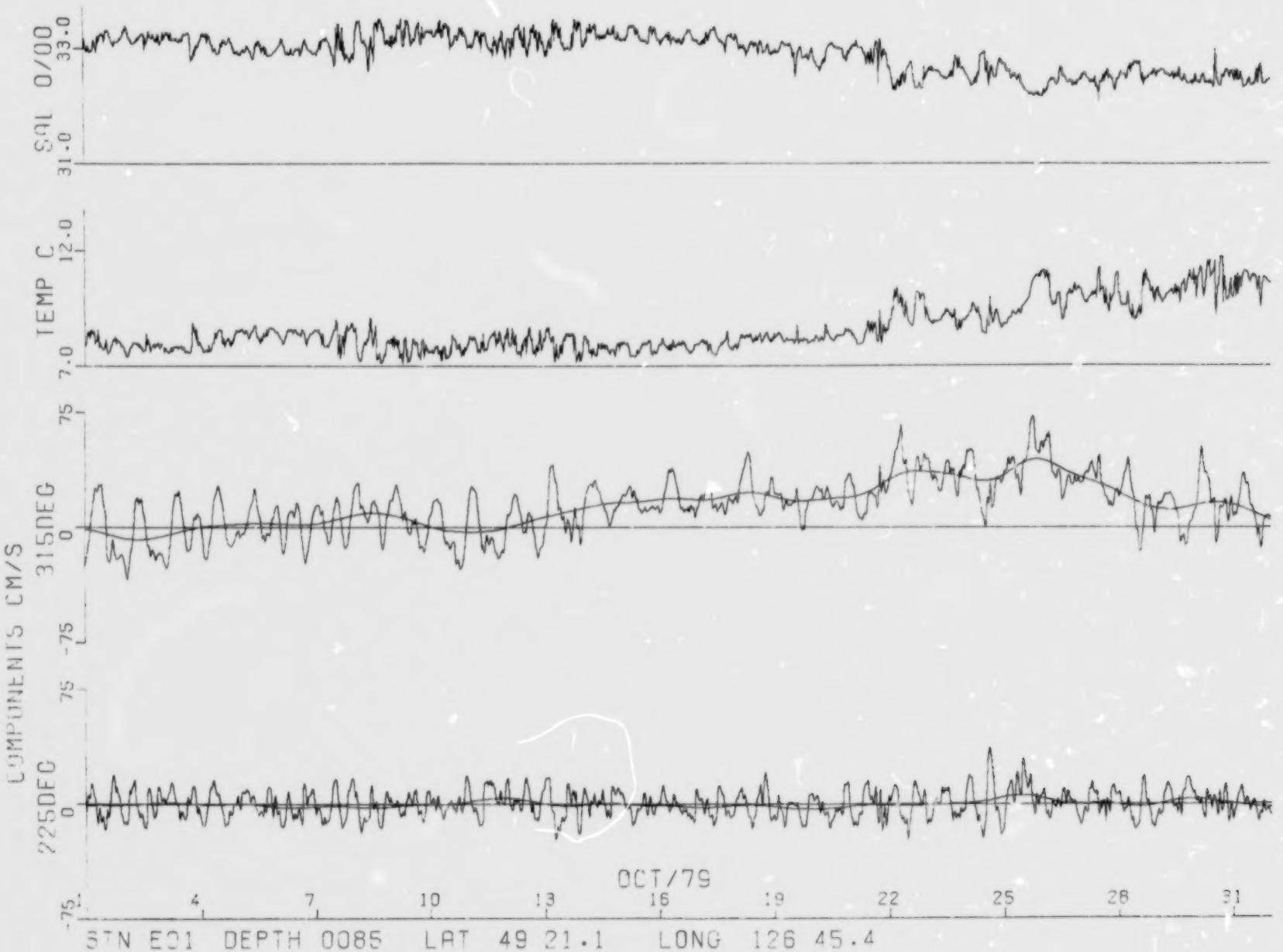
STN	DEPTH	AREA	DAY/YR	NO DAYS
E01	0046M	8600	265/79	29

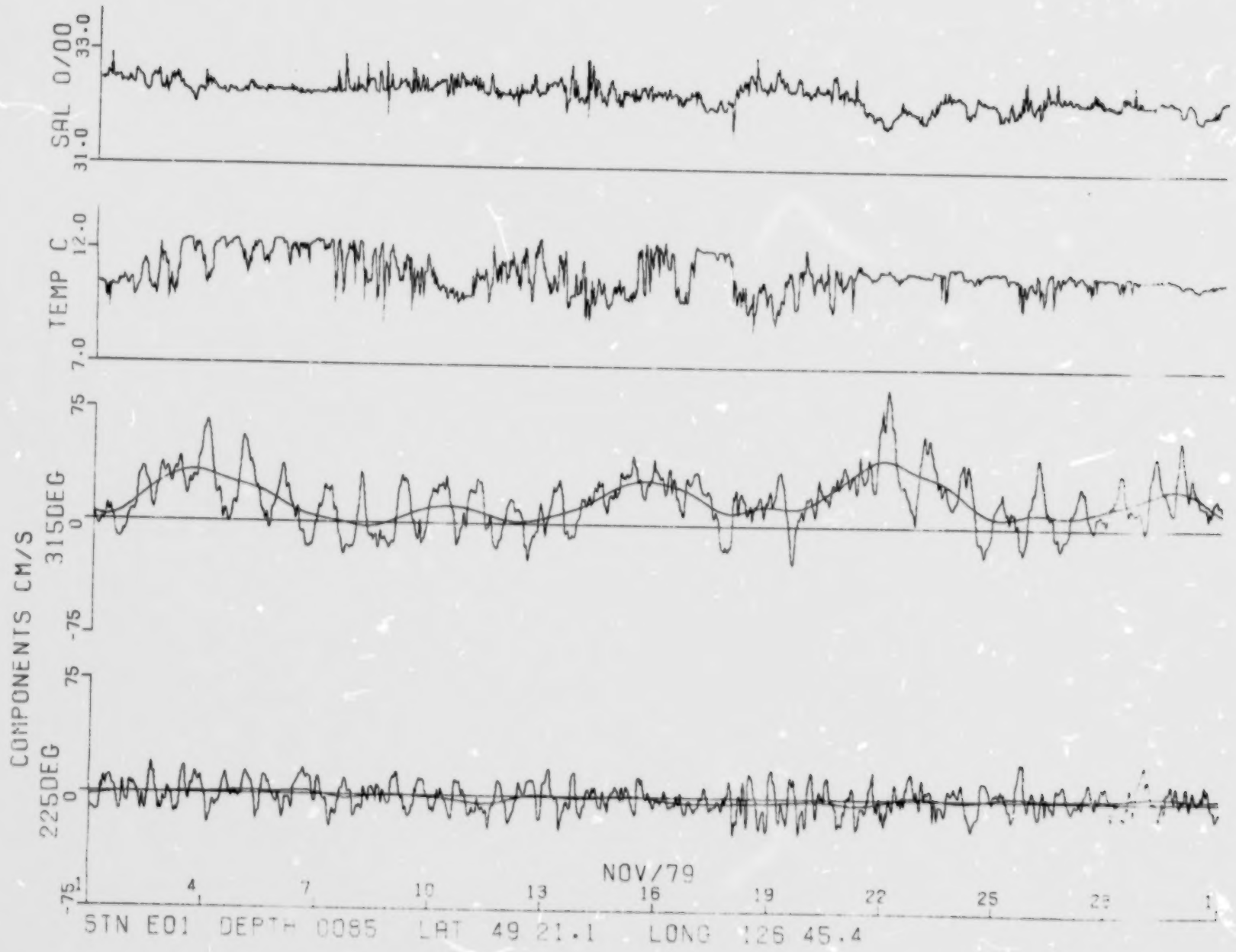
SCALE
100 KM

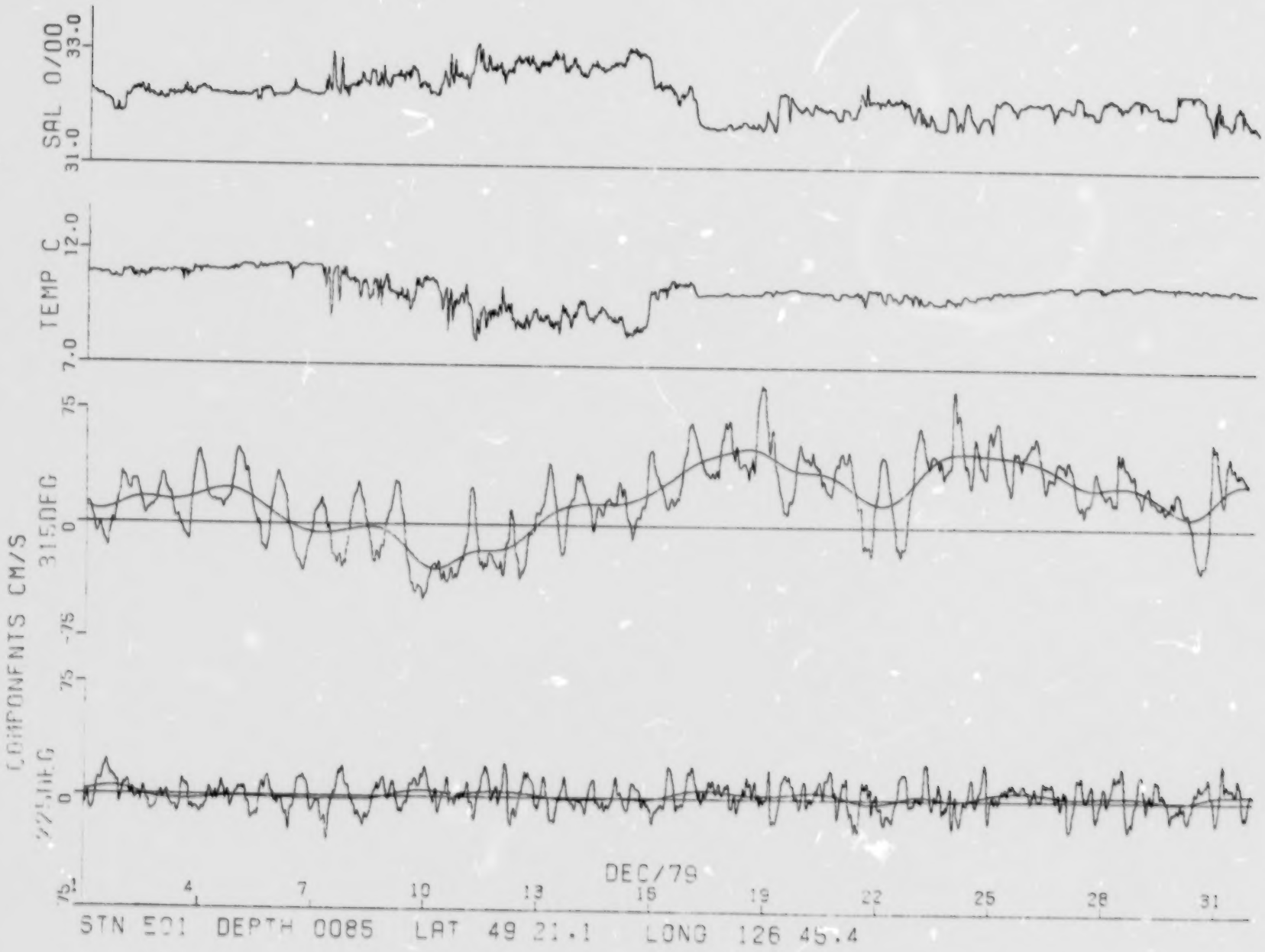


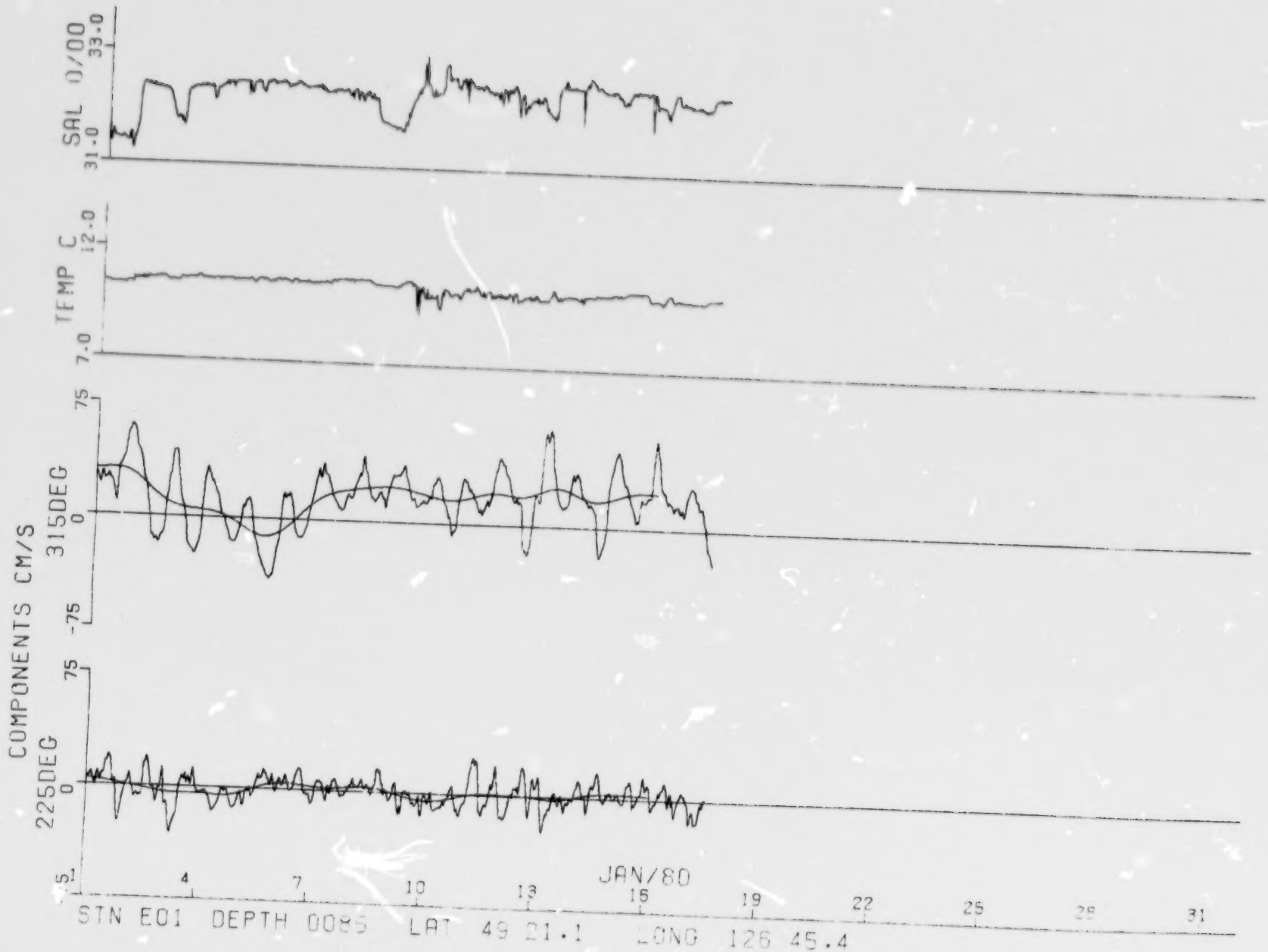

STATION E01
DEPTH 46 METRES
START OF RECORD 23/10/1979
DURATION 26 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0085 LAT 49 21.1 LONG 126 45.4


SAL 0/00
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0085 LAT 49 21.1 LONG 126 45.4


SAL 0/00
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0085 LAT 49 21.1 LONG 126 45.4


SAL 0/00
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
15
19
22
25
28
31
STN 501 DEPTH 0085 LAT 49 21.1 LONG 126 45.4


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
JAN/80
STN E01 DEPTH 0085 LAT 49 21.1 LONG 126 45.4

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E01 Depth 0085 ESTEVAN POINT 49 21.1 N 126 45.4 W Length of record=117 Days
Start of record 30 mn 13 hr 22 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	001	013	033	031	016	007		001																		102
10- 19		016	023	025	011	002		001																		78
20- 29		007	025	014	007	004	001																			58
30- 39	001	011	028	010	005																					55
40- 49		006	025	011	002																					44
50- 59		007	030	007	002	001																				47
60- 69	001	007	018	004	001	001																				32
70- 79	001	005	015	011	001																					33
80- 89	001	009	024	012	002																					48
90- 99		009	019	014	003																					45
100-109	001	012	025	016	007	004																				65
110-119	001	007	029	023	011	001	003	001																		76
120-129		007	026	022	013	012	003	004																		87
130-139		007	028	031	025	012	011	006																		120
140-149	001	011	019	036	023	022	009	006	010	002																139
150-159	001	008	024	029	026	015	008	009	005	006	002															133
160-169		010	019	033	012	007	005																			86
170-179	001	006	023	024	012	004	004																			74
180-189		013	023	021	014	004																				75
190-199	001	011	037	017	005	005																				76
200-209	002	013	026	012	001	002																				56
210-219		014	021	007	002																					44
220-229		011	023	011	002																					47
230-239		012	025	010	001																					48
240-249		015	024	010	002	003		001																		55
250-259		012	024	023	006	001	001		001																	68
260-269	004	021	024	029	016	005	002	001		001																103
270-279	003	017	041	041	020	014	004	001	001		001															143
280-289	002	012	047	034	031	024	008	005	003	004	002															172
290-299		021	055	076	061	037	038	024	020	011	014	001	001	003												362
300-309	001	022	056	094	068	082	060	065	070	060	030	018	012	012	002											672
310-319	001	013	065	099	102	116	092	083	067	051	034	030	020	014	008	001	002	003	005							806
320-329		023	065	106	102	093	094	065	042	037	005	010	011	008	006	003	003	003	003							682
330-339	001	018	064	093	080	076	063	027	020	011	002	004	005													464
340-349	001	022	053	059	055	034	022	015	005	002	001															269
350-359		021	049	038	023	012	004	004	002																	153
		449		1133		600		319		185		63		37		4		6		0		0		0		5617
	26		1155		790		432		246		94		49		10		5		8		0		0		0	

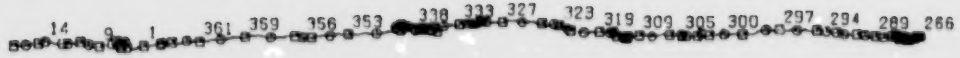
Number of zero rates: 0

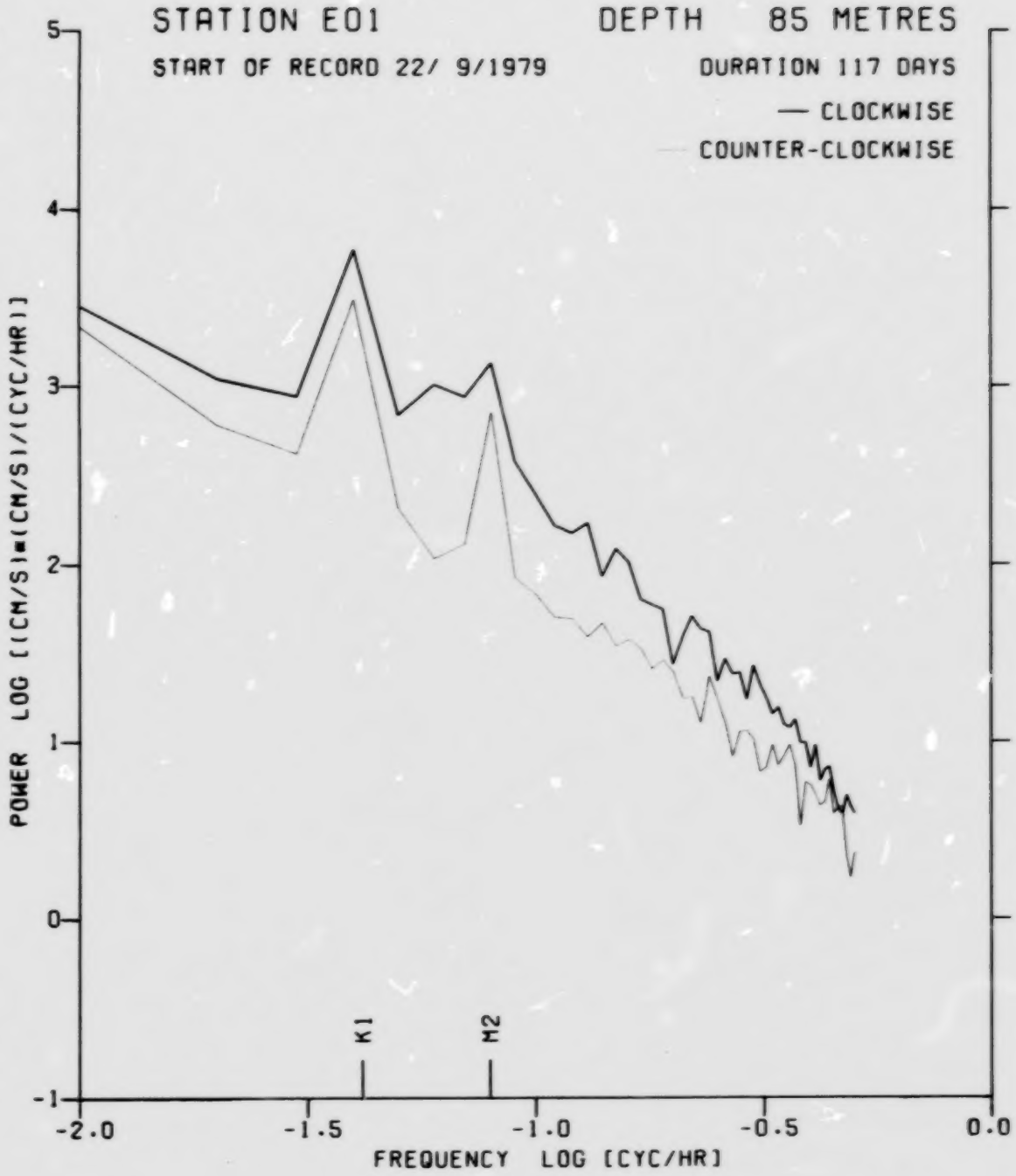
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

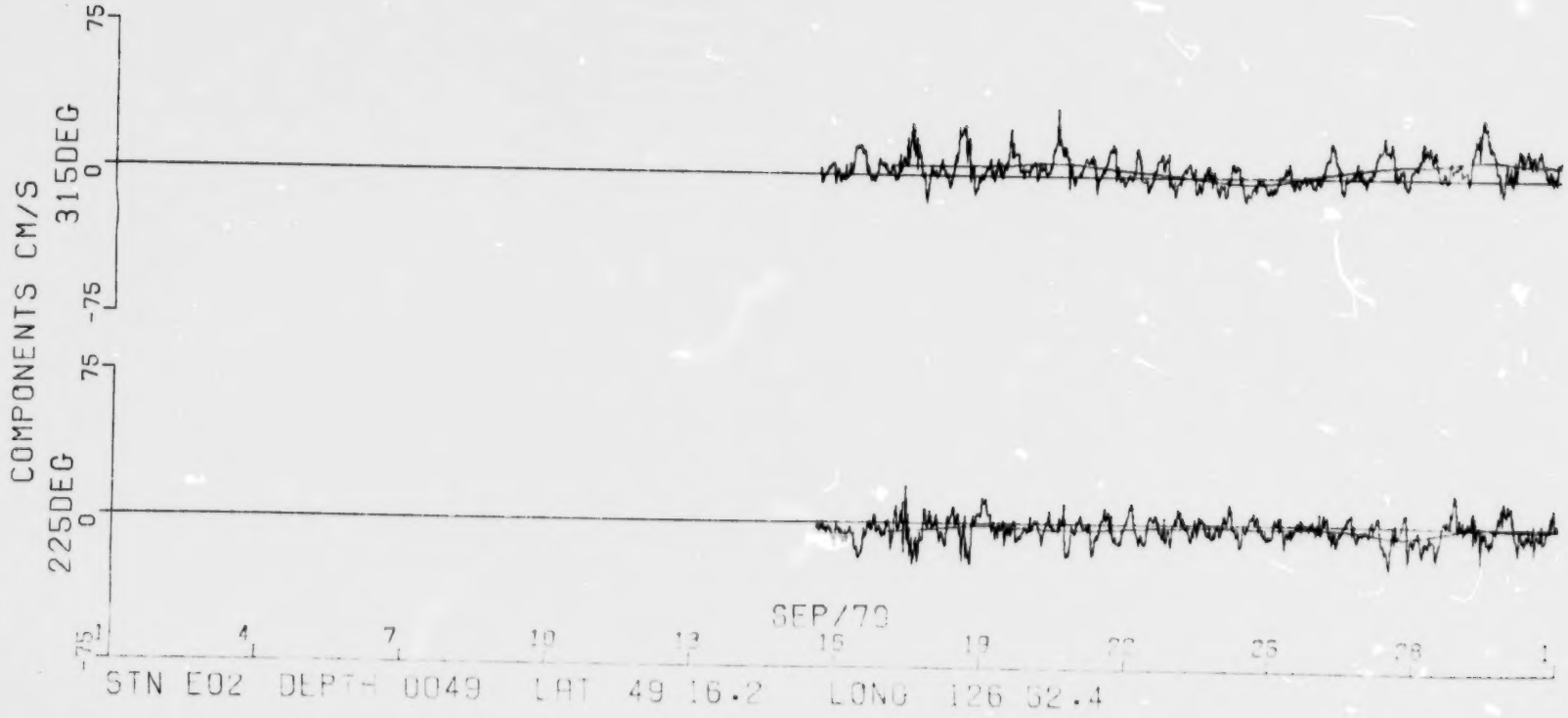
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

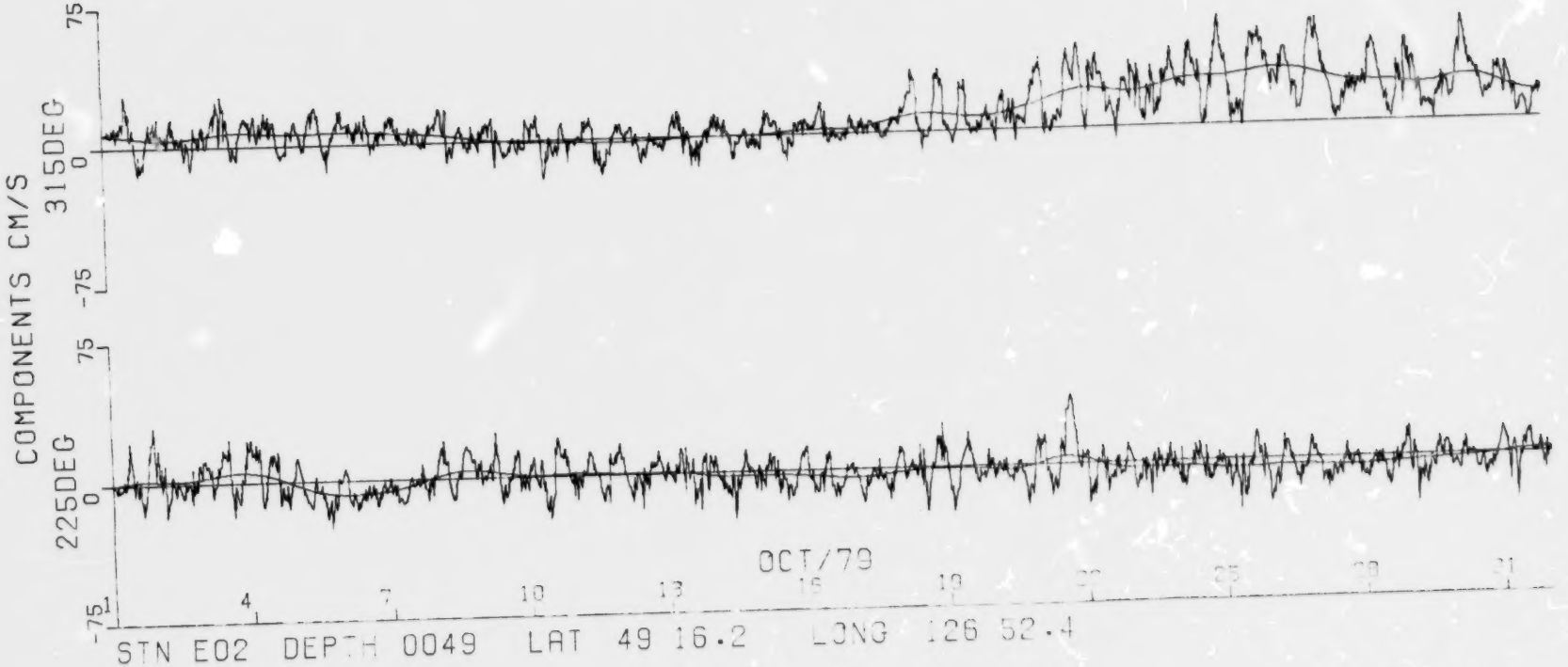
STN	DEPTH	AREA	DAY/YR	NO DAYS
E01	0085M	3600	265/79	117

SCALE
100 KM




STATION E01
DEPTH 85 METRES
START OF RECORD 22/ 9/1979
DURATION 117 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
1
STN E02 DEPTH 0049 LAT 49 16.2 LONG 126 52.4


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
OCT/79
4
7
10
13
16
19
STN E02 DEPTH 0049 LAT 49 16.2 LONG 126 52.4

STN EC2 DEPTH 0049 LAT 49 16.2 LONG 126 52.4
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E02 Depth 0049 ESTEVAN POINT 49 16.2 N 126 52.4 W Length of record= 65 Days
Start of record 30 mn 14 hr 15 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	022	040	030	022	009	001	002	001																		127
10- 19	014	039	026	018	009	002																				108
20- 29	018	032	032	009	006																					97
30- 39	018	028	015	015	003																					79
40- 49	015	026	016	005	001	002																				65
50- 59	016	026	015	005	002	001																				65
60- 69	011	019	012	003																						45
70- 79	008	016	008	006	001																					39
80- 89	011	016	008	004	002	001																				42
90- 99	010	016	003	002																						31
100-109	008	005	005	003	002																					23
110-119	014	014	004	001																						33
120-129	014	005	004																							23
130-139	021	012	001	001																						35
140-149	009	004	001																							14
150-159	012	008	006		001																					27
160-169	010	013	001	001																						25
170-179	013	009	004	003																						29
180-189	014	013	007	004																						38
190-199	008	010	009	001	001																					29
200-209	012	011	007		002																					32
210-219	008	006	009	001	001																					25
220-229	007	013	008	002	002	001																				33
230-239	008	011	012	003	002	001	001	001																		39
240-249	008	016	015	009	002	002	002	001																		55
250-259	015	014	016	012	005	003		001																		66
260-269	019	012	022	012	008				001																	74
270-279	011	012	023	010	004	002	005																			67
280-289	008	024	022	025	012	013	010	004	001																	119
290-299	015	024	030	023	011	012	009	007	003	002																136
300-309	016	039	027	024	020	027	009	011	009	007	001	001														191
310-319	018	034	032	033	039	031	029	017	015	006	009	004														267
320-329	022	040	046	039	048	046	034	017	013	009	004	006	001													325
330-339	018	049	052	063	052	036	021	012	006	004	001	001														315
340-349	022	046	046	032	027	018	014	004		003																212
350-359	018	049	039	048	014	006	009	006	001																	190
	751		439		205		82		31		12		0		0		0		0		0		0		0	3120
	491		613		286		145		49		15		1		0		0		0		0		0			

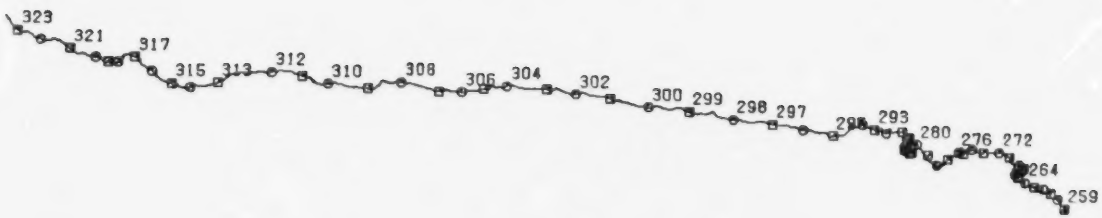
Number of zero rates: 0

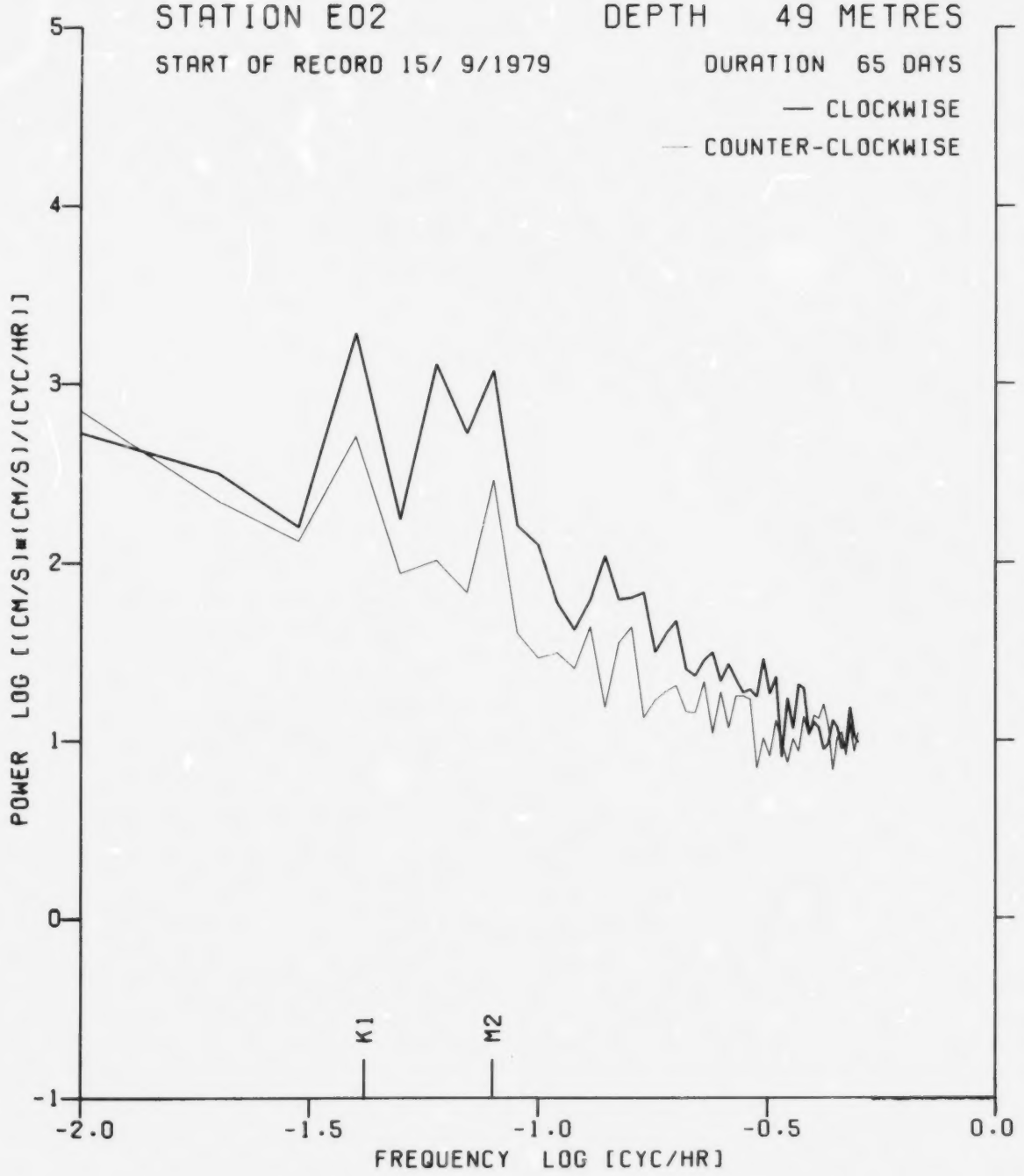
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

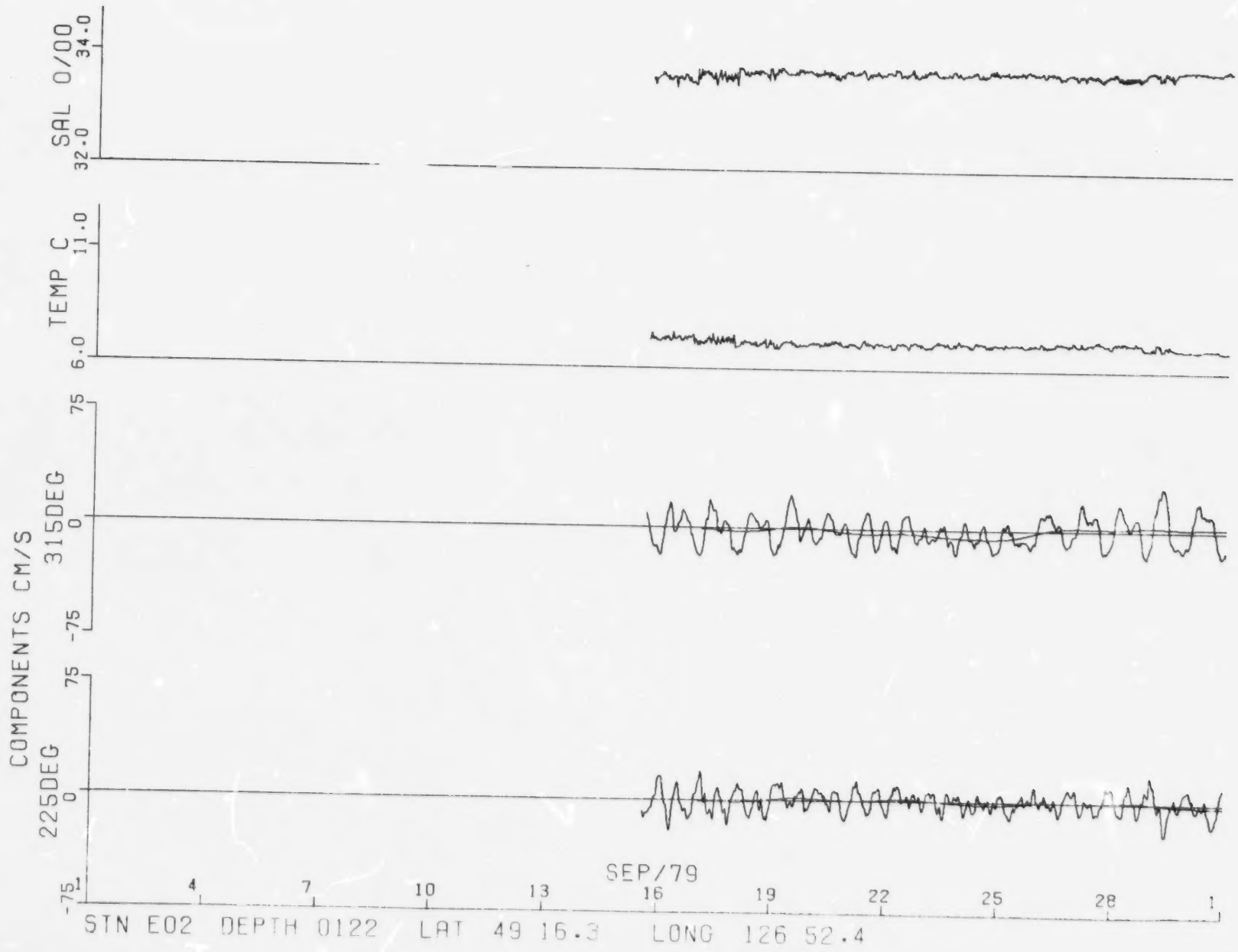
☑ODD NUMBERED DAYS
ⓉEVEN NUMBERED DAYS

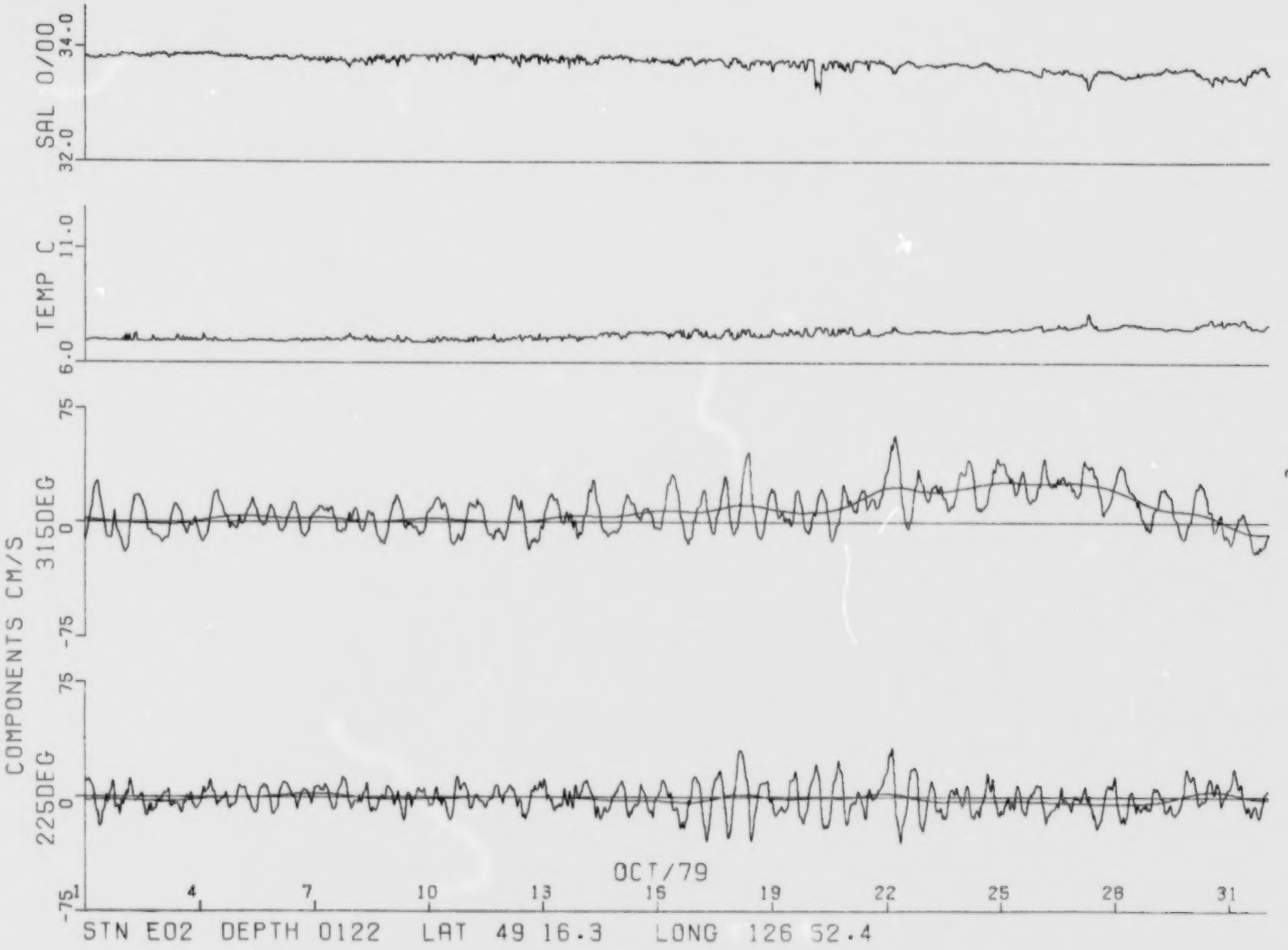
STN	DEPTH	AREA	DAY/YR	NO DAYS
E02	0049M	8600	258/79	65

SCALE ⊢——————⊣
100 KM

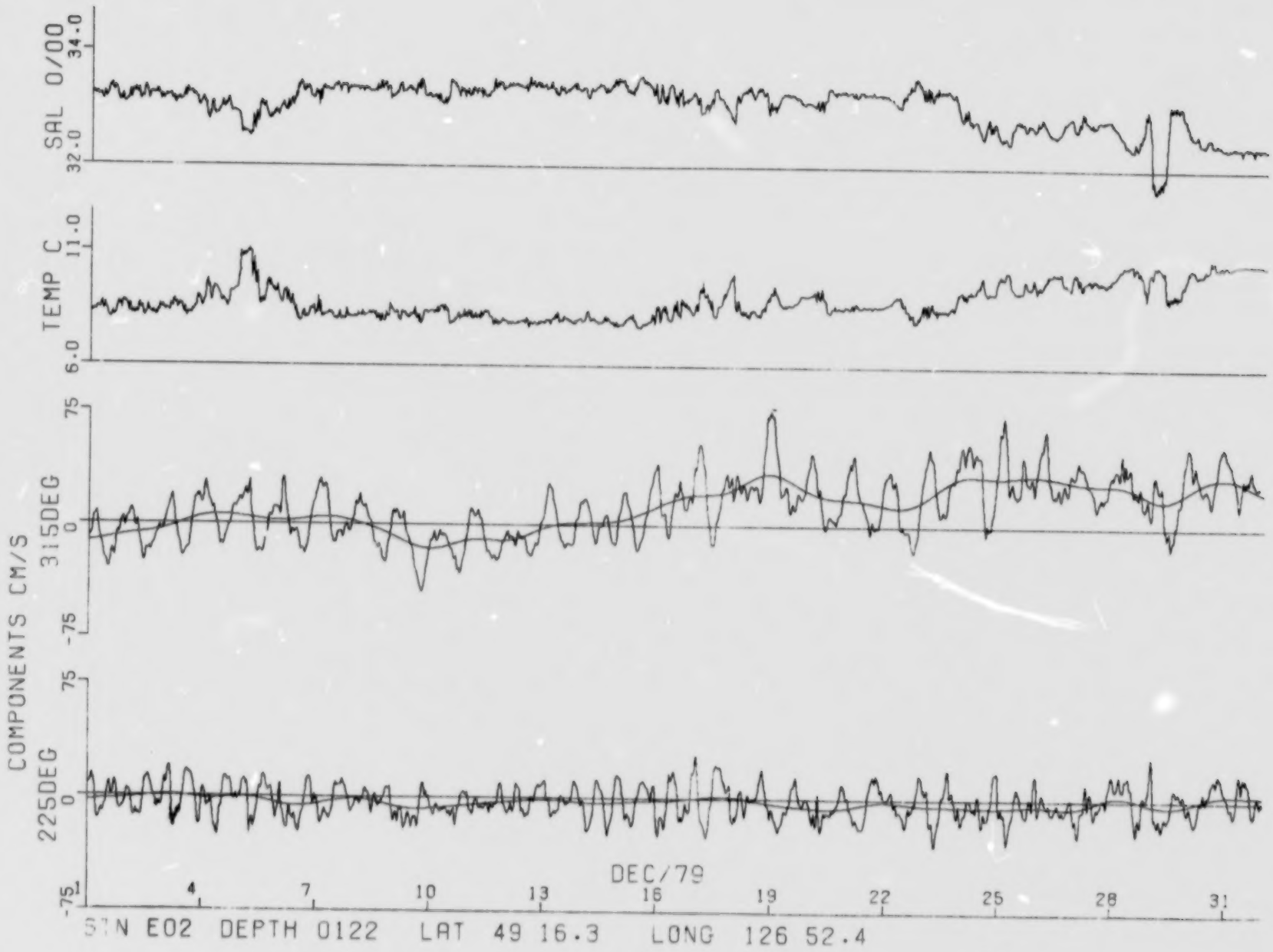


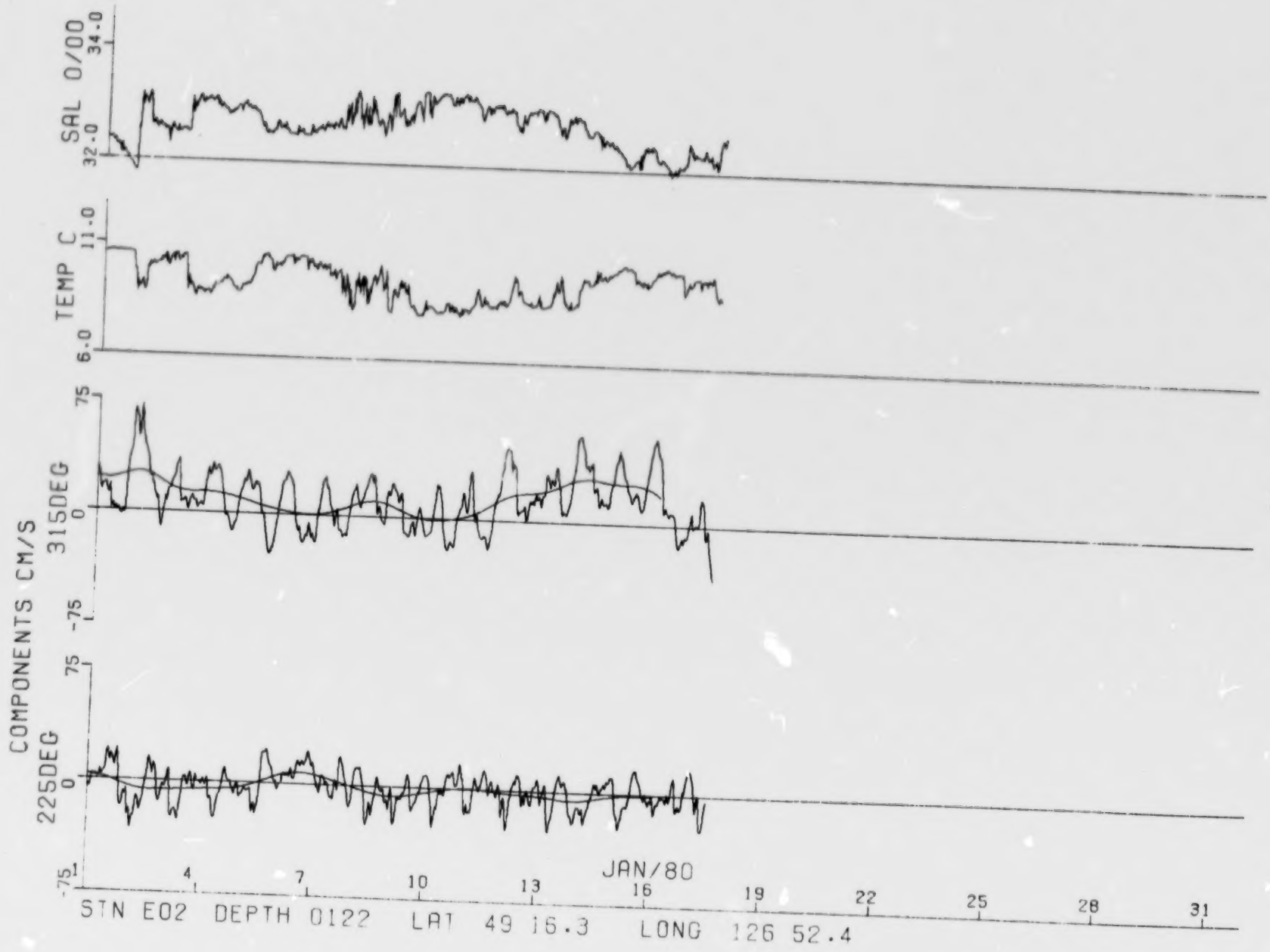

STATION E02
DEPTH 49 METRES
START OF RECORD 15/ 9/1979
DURATION 65 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN E02 DEPTH 0122 LAT 49 16.3 LONG 126 52.4


SAL O/OO
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
1
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0122 LAT 49 16.3 LONG 126 52.4

SAL O/OO
32.0
34.0
TEMP C
5.0
11.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
STN E02 DEPTH 0122 LAT 49 16.3 LONG 126 52.4
NOV/79
1
4
7
10
13
15
19
22
25
28


SAL O/OO
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0122 LAT 49 16.3 LONG 126 52.4


SAL 0/00
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
31
JAN/80
STN E02 DEPTH 0122 LAT 49 16.3 LONG 126 52.4

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E02 Depth 0122 ESTEVAN POINT 49 16.3 N 126 52.4 W Length of record=124 Days
Start of record 30 mn 14 hr 15 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	006	038	046	035	019	013	007	006	001																	171
10- 19	005	040	054	019	014	010	005	002	001																	150
20- 29	006	033	021	024	019	005	002		001																	111
30- 39	002	047	015	018	011	004	002																			99
40- 49	001	028	021	022	012	004	001																			89
50- 59	003	032	033	024	012	002																				106
60- 69	002	037	032	015	008	002	001																			97
70- 79	004	031	025	017	008	004																				89
80- 89	008	034	042	021	004	006	002																			117
90- 99	004	035	045	031	016	003	001																			135
100-109	004	023	042	021	019	004	004		001																	118
110-119	005	030	049	027	022	002	005	002	001																	143
120-129	006	033	063	026	023	006	003	002	001																	163
130-139	004	030	056	035	016	005			002																	148
140-149	008	028	052	031	010	008			002																	139
150-159	008	043	067	026	012	004	001	001																		162
160-169	003	054	050	022	016	001	002																			148
170-179	005	043	044	019	011	004	006																			132
180-189	006	042	047	022	010	003	001																			131
190-199	005	041	038	014	003	002		001																		104
200-209	006	037	029	016	001																					89
210-219	005	029	026	024	010			001																		95
220-229	007	038	036	014	005	001			001																	102
230-239	008	028	029	008	005		001		001																	80
240-249	011	035	025	016	003		001		001																	92
250-259	004	030	037	007	005	003	001	002																		89
260-269	005	039	036	017	008	001	001	002																		109
270-279	004	037	029	023	023	011	004	003																		134
280-289	009	032	047	024	032	017	012	007	005	001	003	004														193
290-299	006	030	058	048	052	017	018	016	010	005	007	002														269
300-309	004	042	064	074	042	046	031	025	011	012	008	002														361
310-319	007	052	067	084	056	060	053	025	021	020	016	005	003	001	004	001										475
320-329	005	056	065	060	063	050	034	031	018	025	012	005	007	004	005	001										441
330-339	007	047	053	061	063	054	036	026	028	017	007	007		001		001										408
340-349	003	038	056	050	035	029	018	010	009	006	002	002	001		001											260
350-359	006	036	040	038	025	031	017	003	005																	201
	1328		1033		412		165		86		27		6		3		0		0		0		0			5950
	192		1539		693		270		120		55		11		10		0		0		0		0			

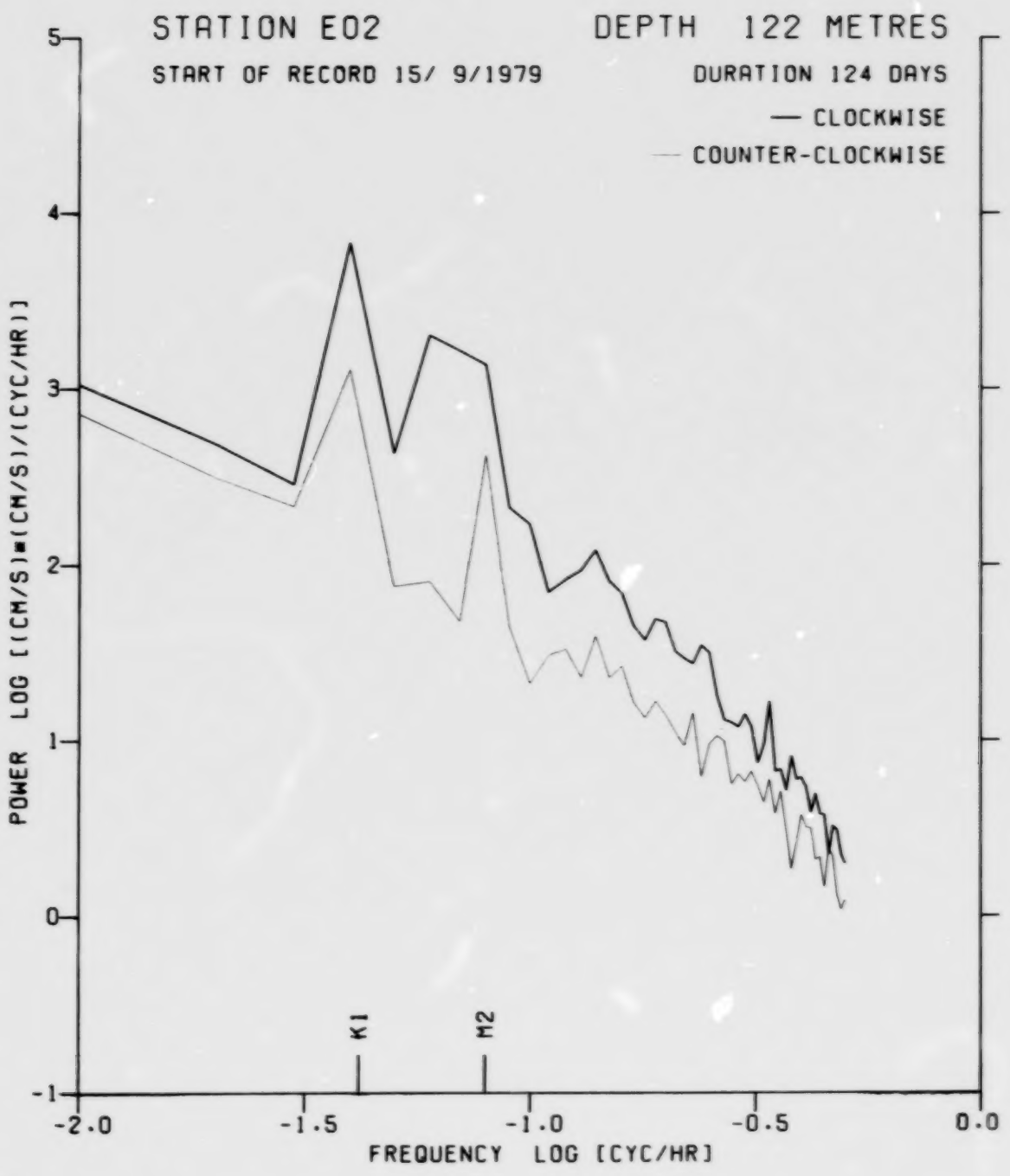
Number of zero rates: 0

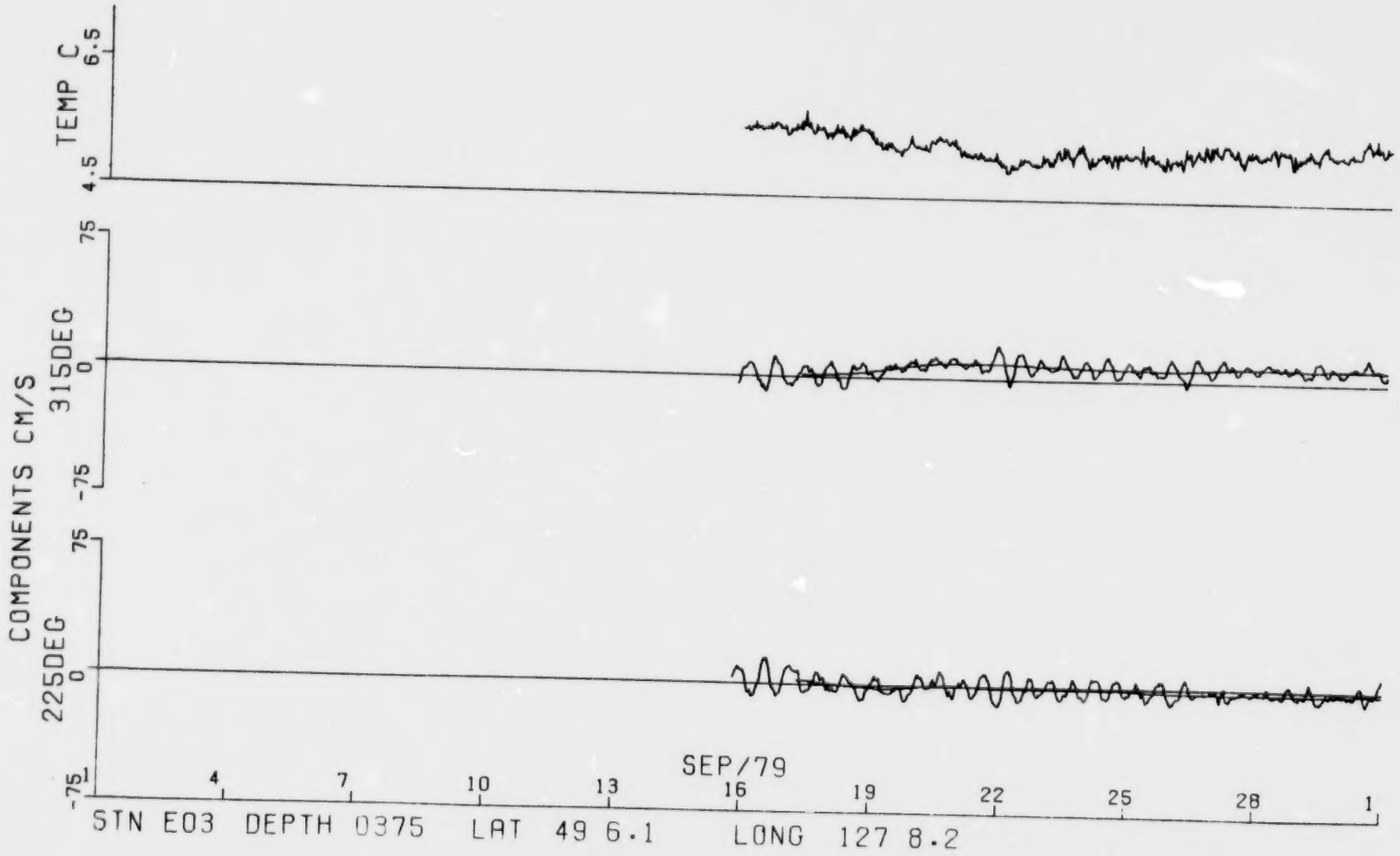
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

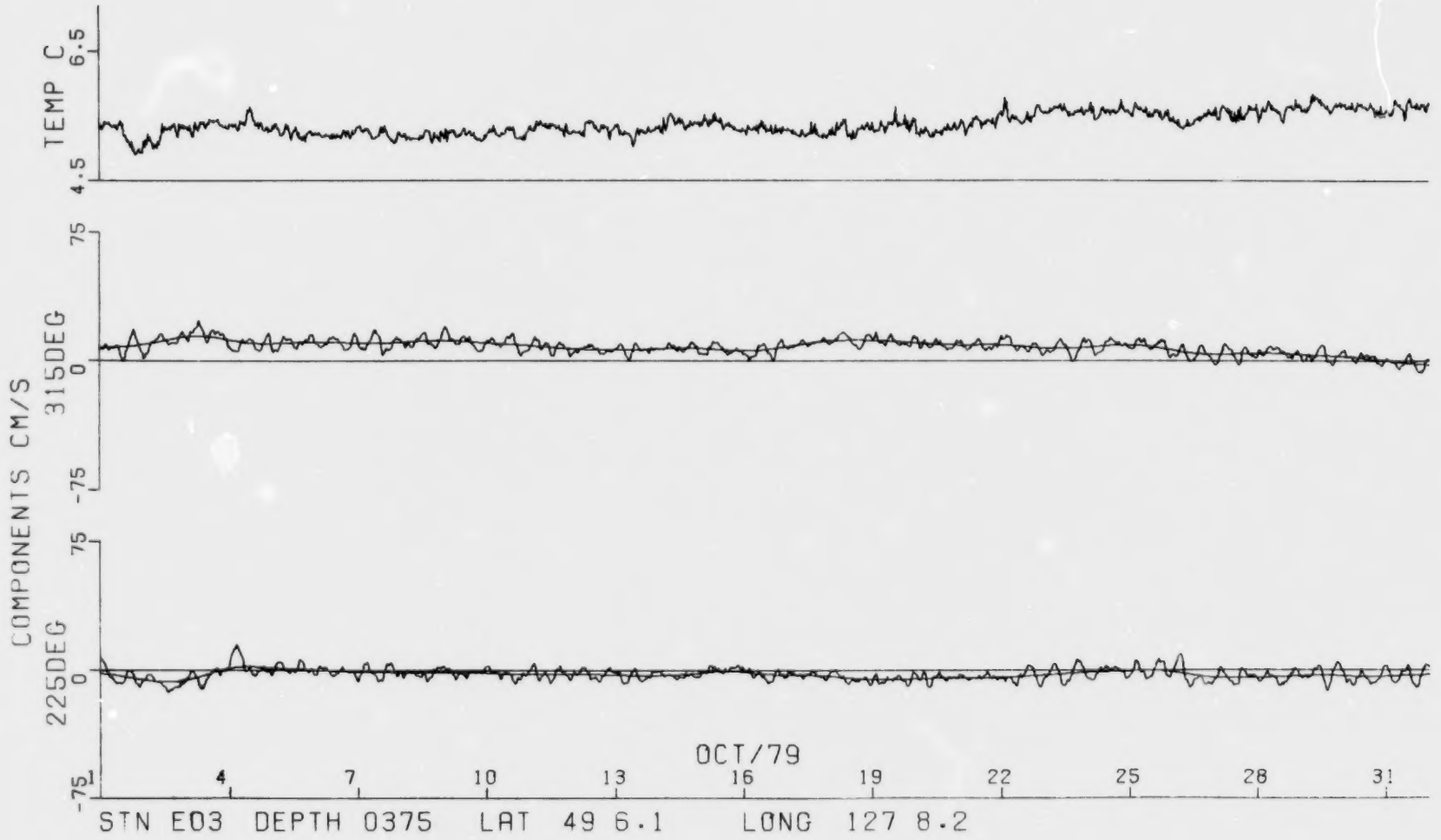
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

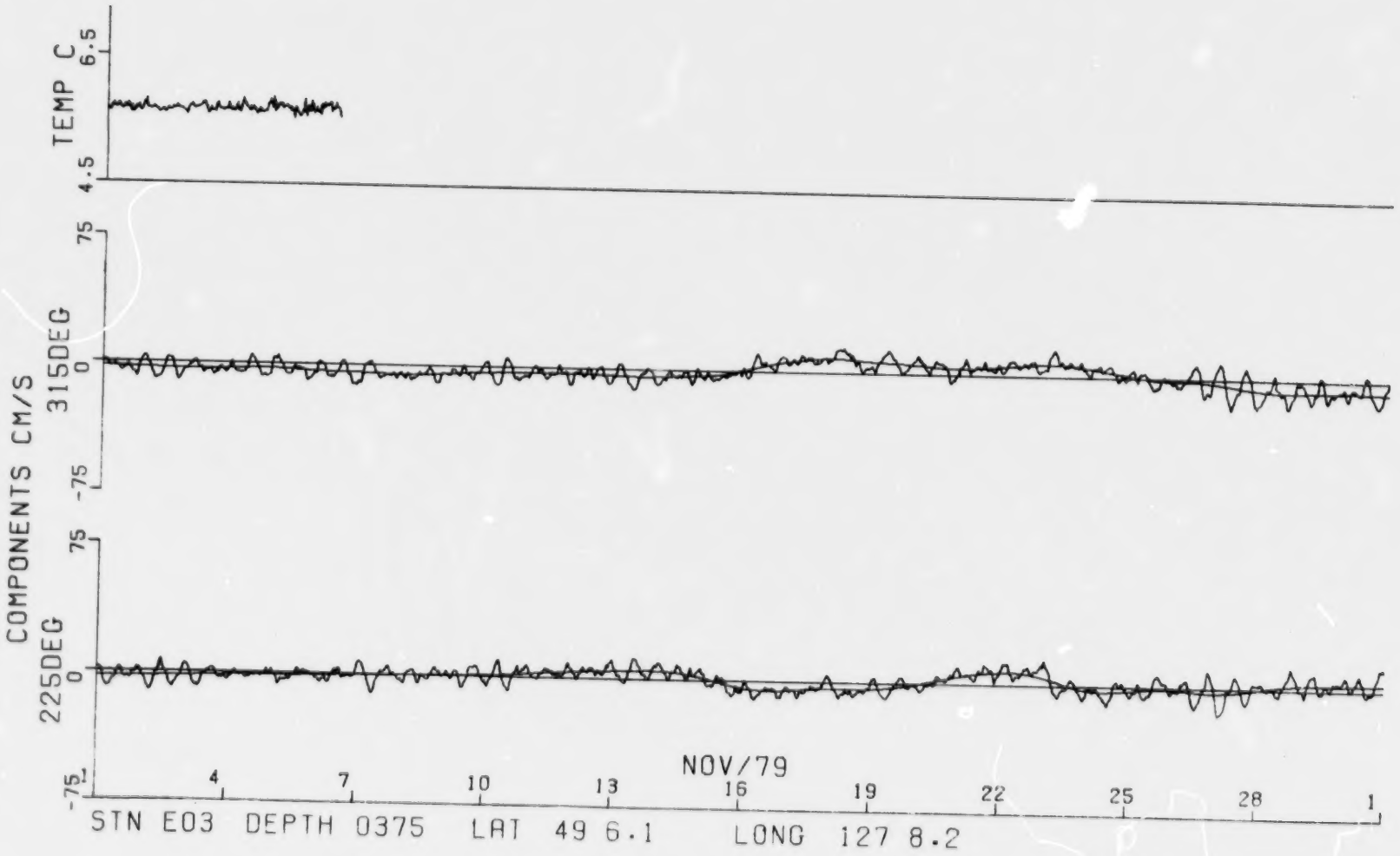
STN	DEPTH	AREA	DAY/YR	NO DAYS
E02	0122M	8600	258/79	124

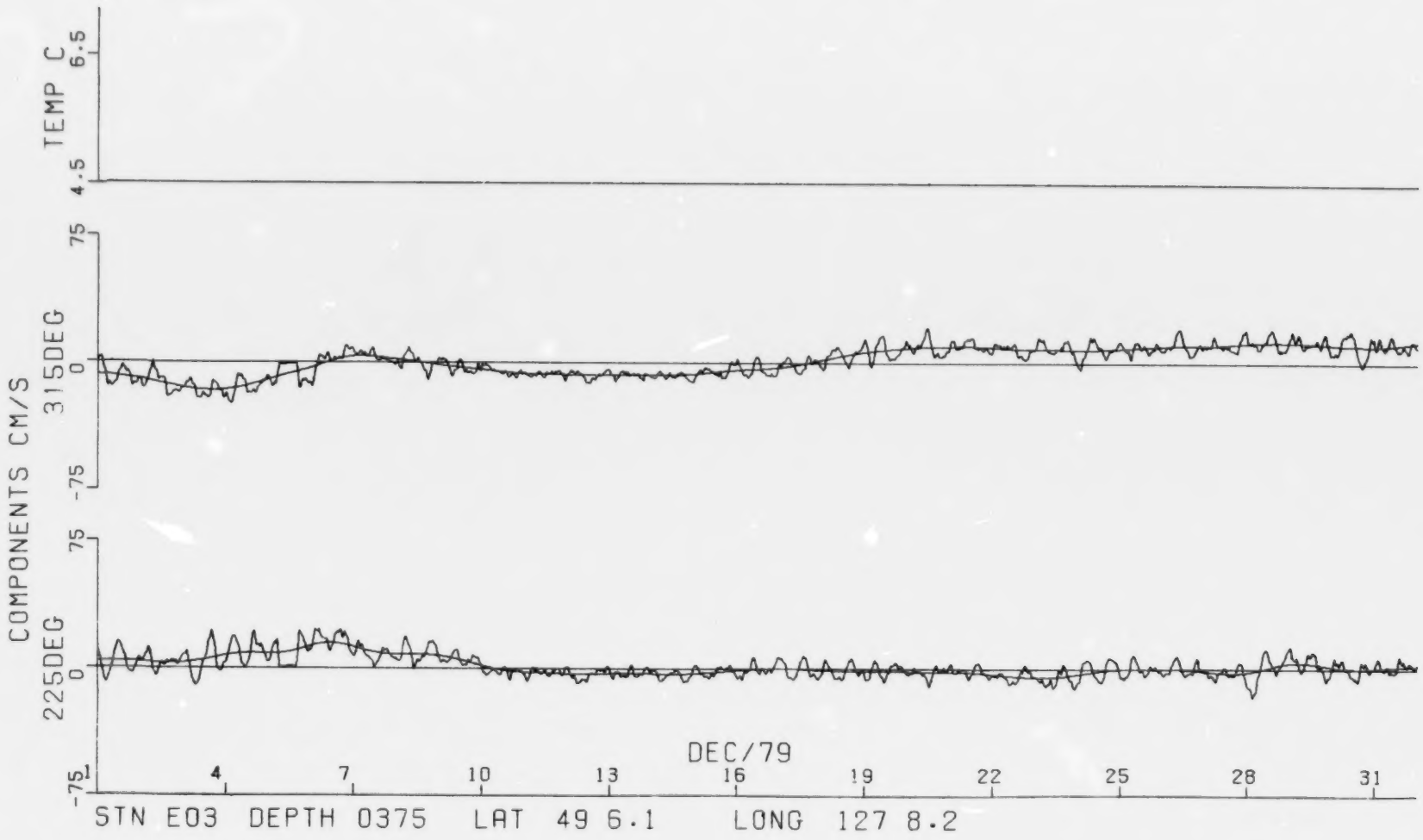
SCALE
100 KM

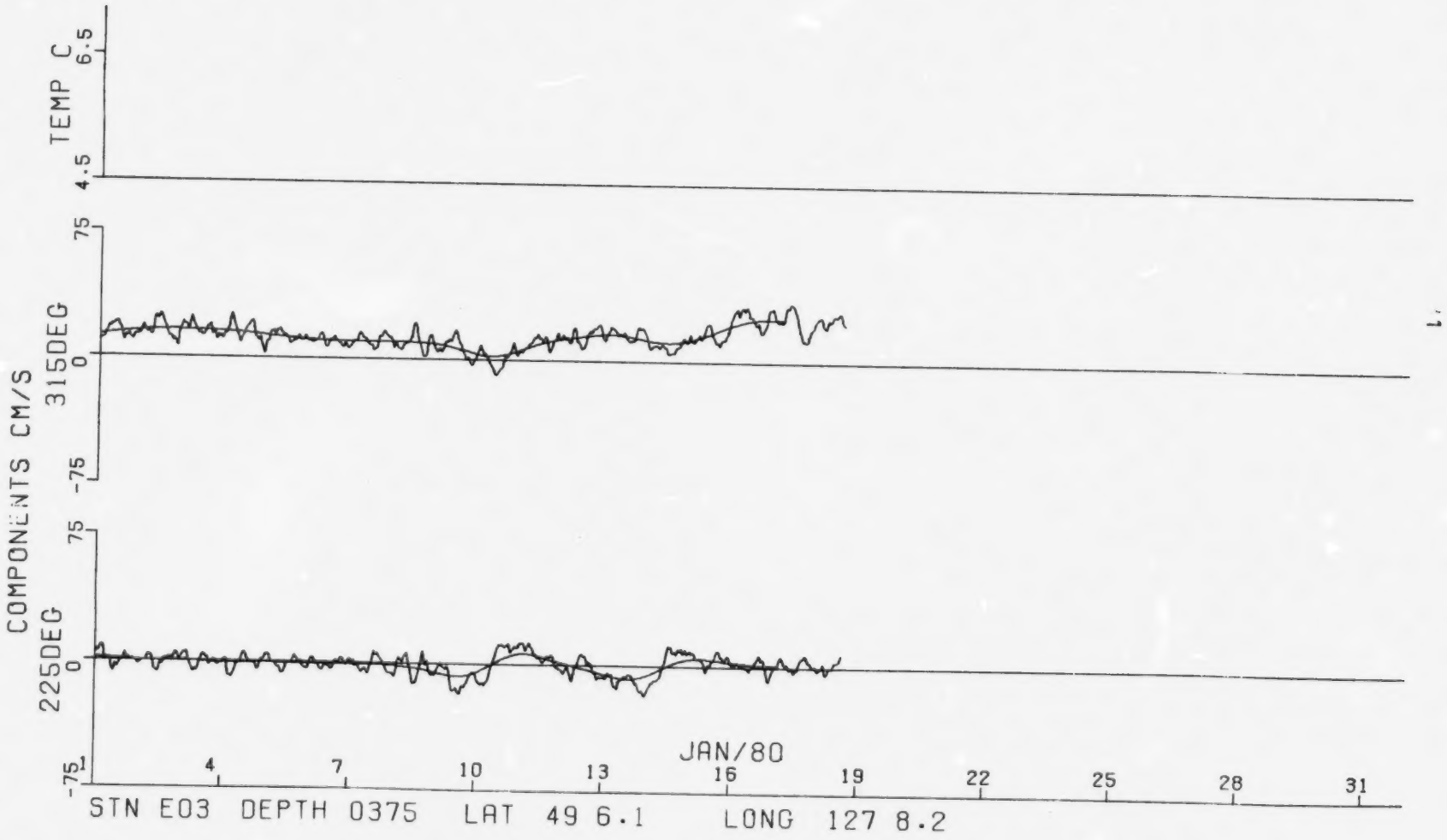

STATION E02
DEPTH 122 METRES
START OF RECORD 15/ 9/1979
DURATION 124 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
1
SEP/79
STN E03 DEPTH 0375 LAT 49 6.1 LONG 127 8.2


TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0375 LAT 49 6.1 LONG 127 8.2


TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
4
7
10
13
16
19
22
25
28
1
STN E03 DEPTH 0375 LAT 49 6.1 LONG 127 8.2


TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0375 LAT 49 6.1 LONG 127 8.2


TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0375 LAT 49 6.1 LONG 127 8.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0375 ESTEVAN POINT 49 06.1 N 127 08.2 W Length of record=125 Days
Start of record 30 mn 19 hr 15 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	030	086	053	014	005																					188
10- 19	024	069	022	010																						125
20- 29	025	050	008	003																						86
30- 39	019	033	007	003																						62
40- 49	017	027	009	001																						54
50- 59	012	032	005																							49
60- 69	017	029	006	001																						53
70- 79	020	026	005	001																						52
80- 89	017	029	014	001																						61
90- 99	018	052	013	002																						85
100-109	022	081	016	003	001																					123
110-119	029	104	012	001	004																					150
120-129	021	083	026	005	001																					136
130-139	030	078	021	012																						141
140-149	024	072	019	026	004																					145
150-159	018	052	017	007	004	001																				99
160-169	029	048	021	005	002	003																				108
170-179	019	031	016	012	003	004																				85
180-189	025	041	018	013	003	005																				105
190-199	021	030	015	009	007	003																				85
200-209	017	030	015	006	001																					69
210-219	016	031	014		002																					63
220-229	015	035	010	003	002																					65
230-239	026	025	016	013	009																					89
240-249	022	039	028	011	003																					103
250-259	028	050	037	007	002																					124
260-269	015	036	024	007																						82
270-279	025	067	040	022	001																					155
280-289	020	087	049	024	001																					181
290-299	016	093	087	042	005																					243
300-309	025	130	126	052	030	012	002																			377
310-319	023	140	215	078	031	025	027																			539
320-329	045	222	240	071	021	010	003																			612
330-339	023	218	231	074	018	002																				566
340-349	022	198	167	055	013																					455
350-359	030	120	102	015	009																					276
	2574		609		65			Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		5991
	805	1724		182		32		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		

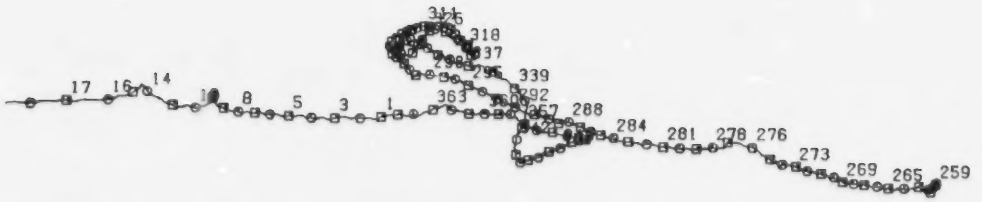
Number of zero rates: Ø

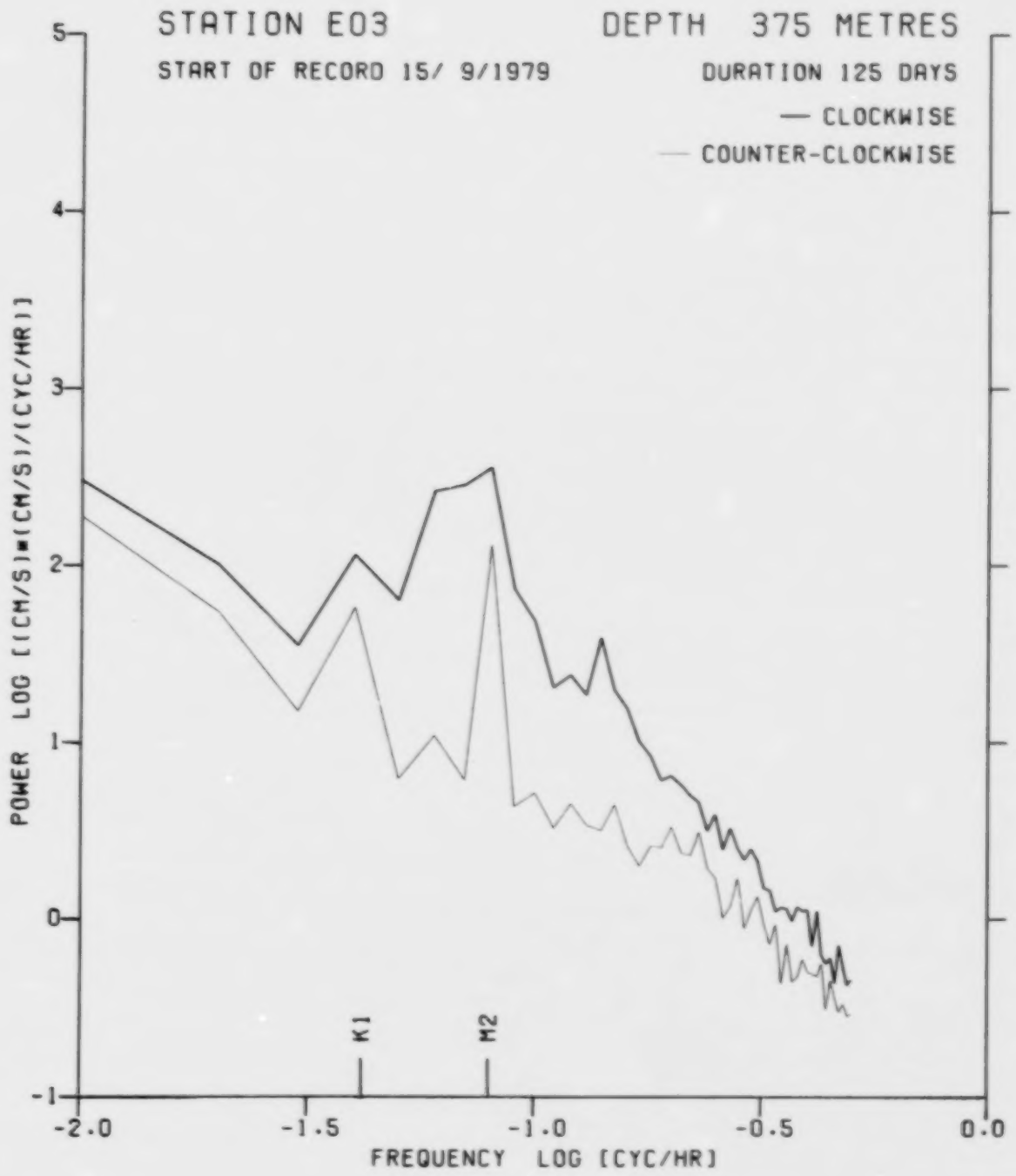
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

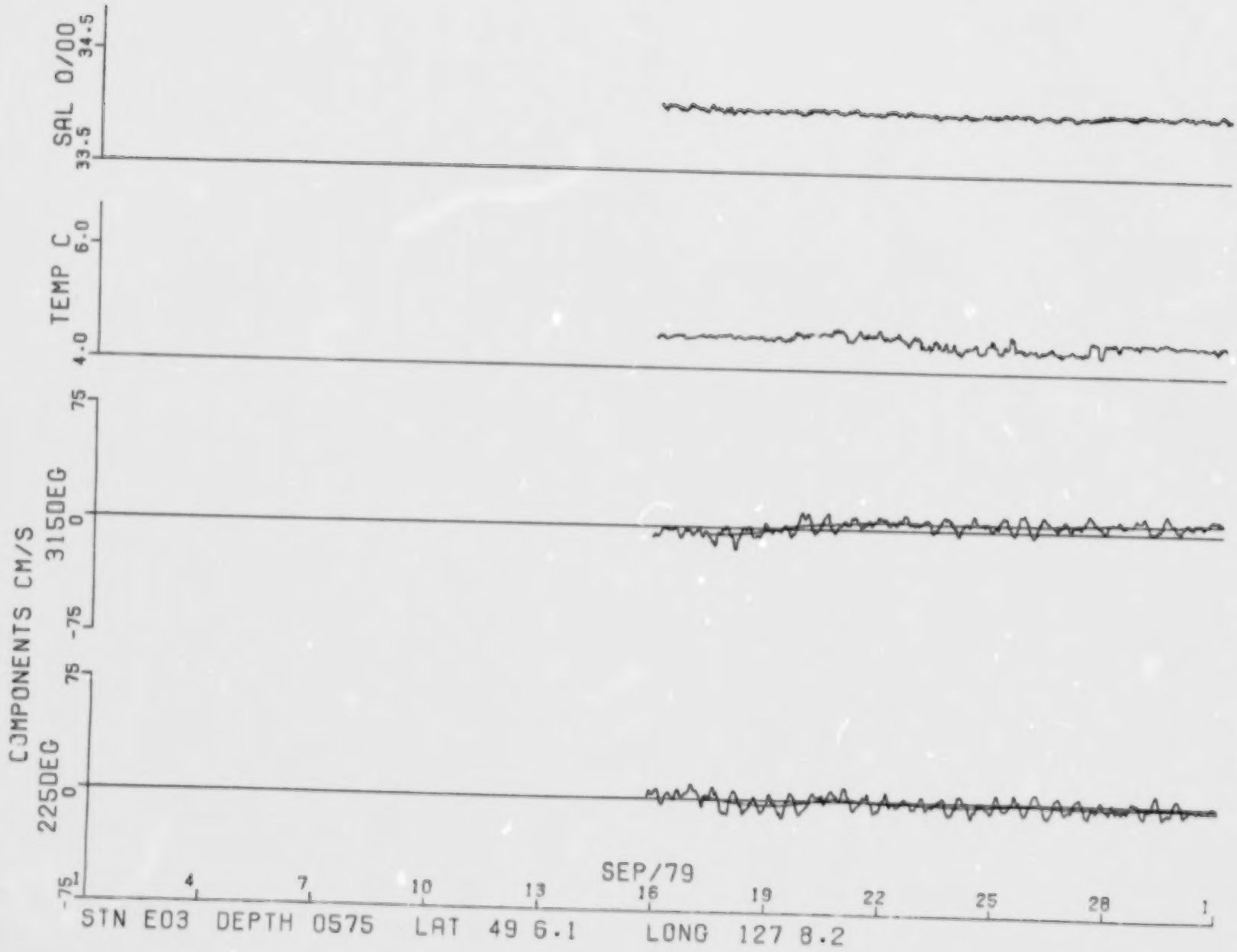
☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

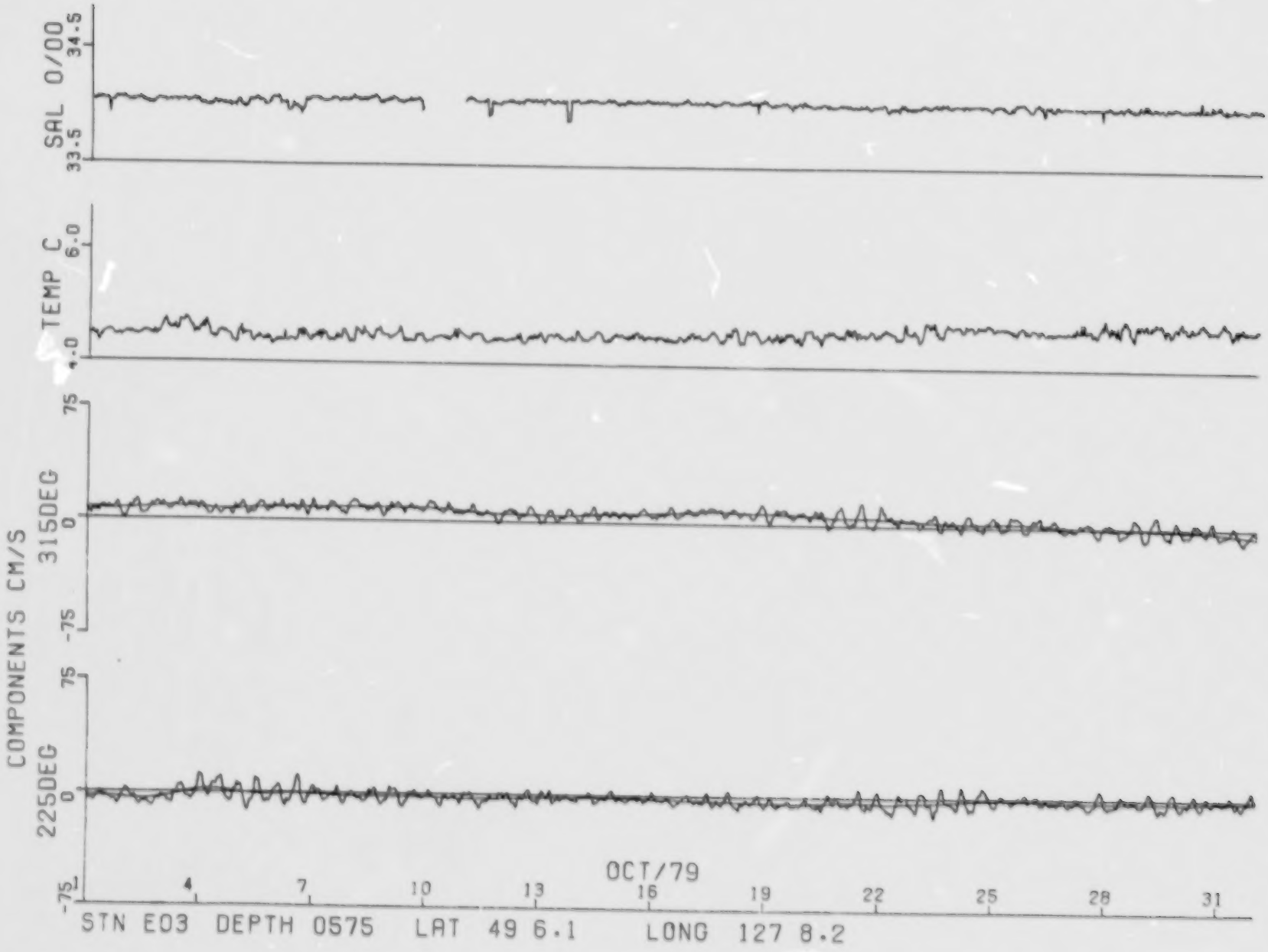
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0375M	8600	258/79	125

SCALE
100 KM

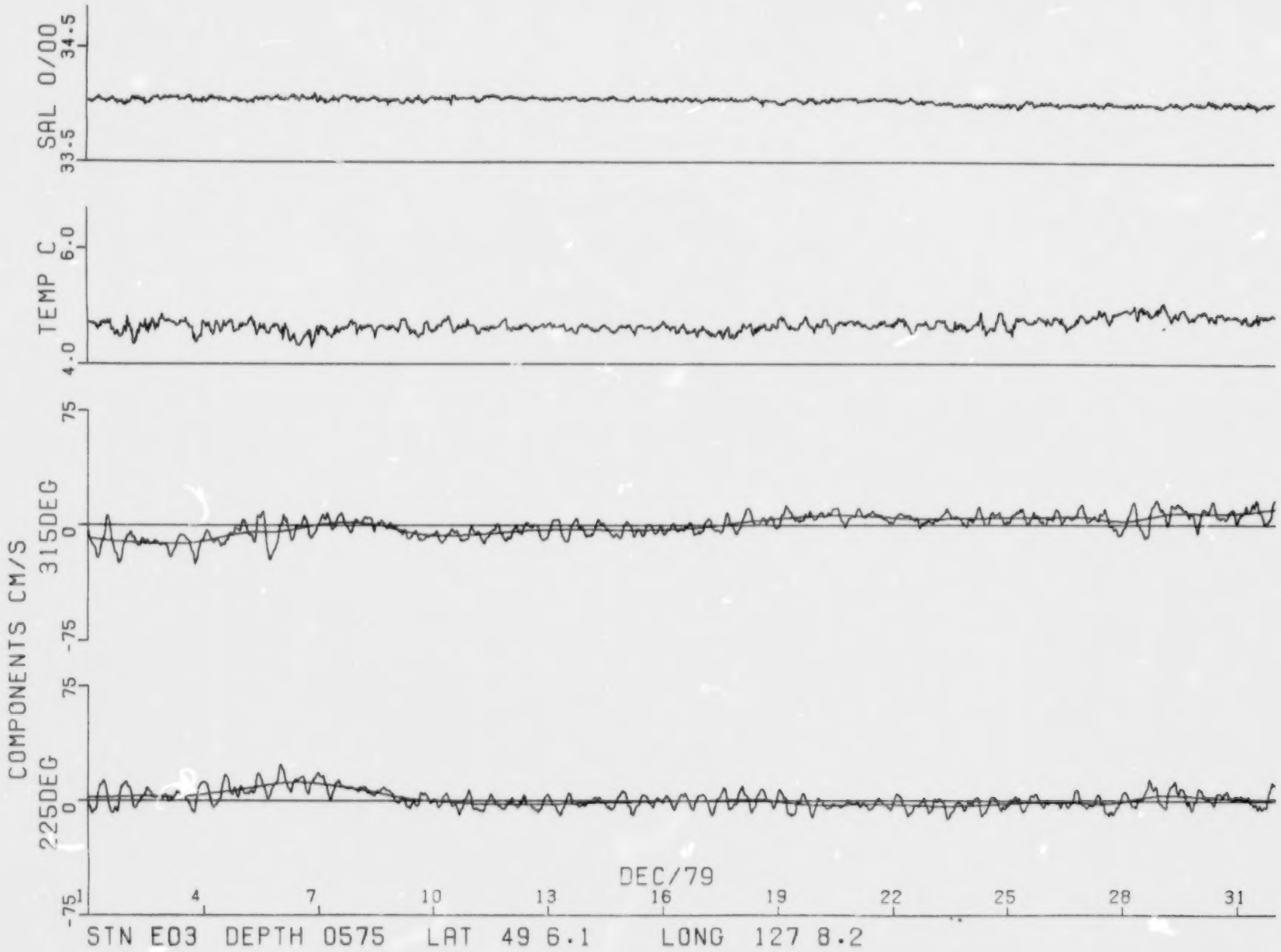



STATION E03
DEPTH 375 METRES
START OF RECORD 15/ 9/1979
DURATION 125 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
1
SEP/79
STN E03 DEPTH 0575 LAT 49 6.1 LONG 127 8.2


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0575 LAT 49 6.1 LONG 127 8.2

STN E03 DEPTH 0575 LAT 49 6.1 LONG 127 8.2
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
4.0
6.0
33.5
34.5


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0575 LAT 49 6.1 LONG 127 8.2

SAL 0/00
33.5
34.5
TEMP C
4.0
6.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0575 LAT 19 6.1 LONG 127 8.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0575 ESTEVAN POINT 49 06.1 N 127 08.2 W Length of record=125 Days
Start of record 30 mn 19 hr 15 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	056	141	034	001																						232
10- 19	057	104	025	001																						187
20- 29	068	078	012	001																						159
30- 39	059	044	006	001																						110
40- 49	049	051	008																							108
50- 59	038	031	003																							72
60- 69	042	024	004																							70
70- 79	034	019	005																							58
80- 89	023	045	012																							80
90- 99	022	043	025																							90
100-109	028	063	037	002																						130
110-119	027	067	038	009	002	001																				144
120-129	039	067	027	008	001	001																				143
130-139	036	059	020	009	004																					128
140-149	038	054	041	007	007																					147
150-159	025	070	042	006	004																					147
160-169	034	074	046	011	003																					168
170-179	036	074	014	013																						137
180-189	032	051	025	015	001																					124
190-199	043	051	023	008	001																					126
200-209	039	038	014	004																						95
210-219	029	039	008	003	001																					80
220-229	019	037	008	007	004																					75
230-239	023	043	010	003	001																					80
240-249	031	047	018	012	001																					109
250-259	032	050	024	002																						108
260-269	027	055	022	009																						113
270-279	026	073	026	008																						133
280-289	031	091	045	011																						178
290-299	034	115	063	010	011	001																				234
300-309	040	183	072	019	010																					324
310-319	056	207	113	026	005																					407
320-329	066	203	122	037	007																					435
330-339	056	209	107	017	002																					391
340-349	049	198	096	011	002																					356
350-359	040	198	061	004	001																					312
	2996		275		3		0		0		0		0		0		0		0		0		0		0	5990
	1392	1256		68		0		0		0		0		0		0		0		0		0		0		

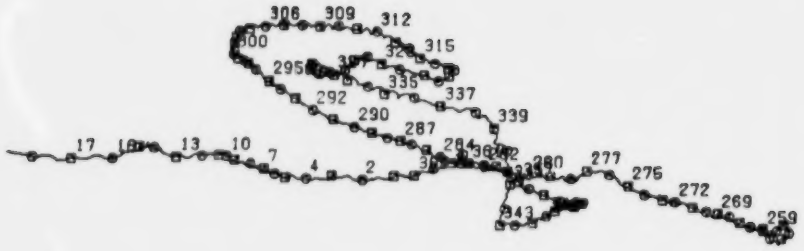
Number of zero rates: 1

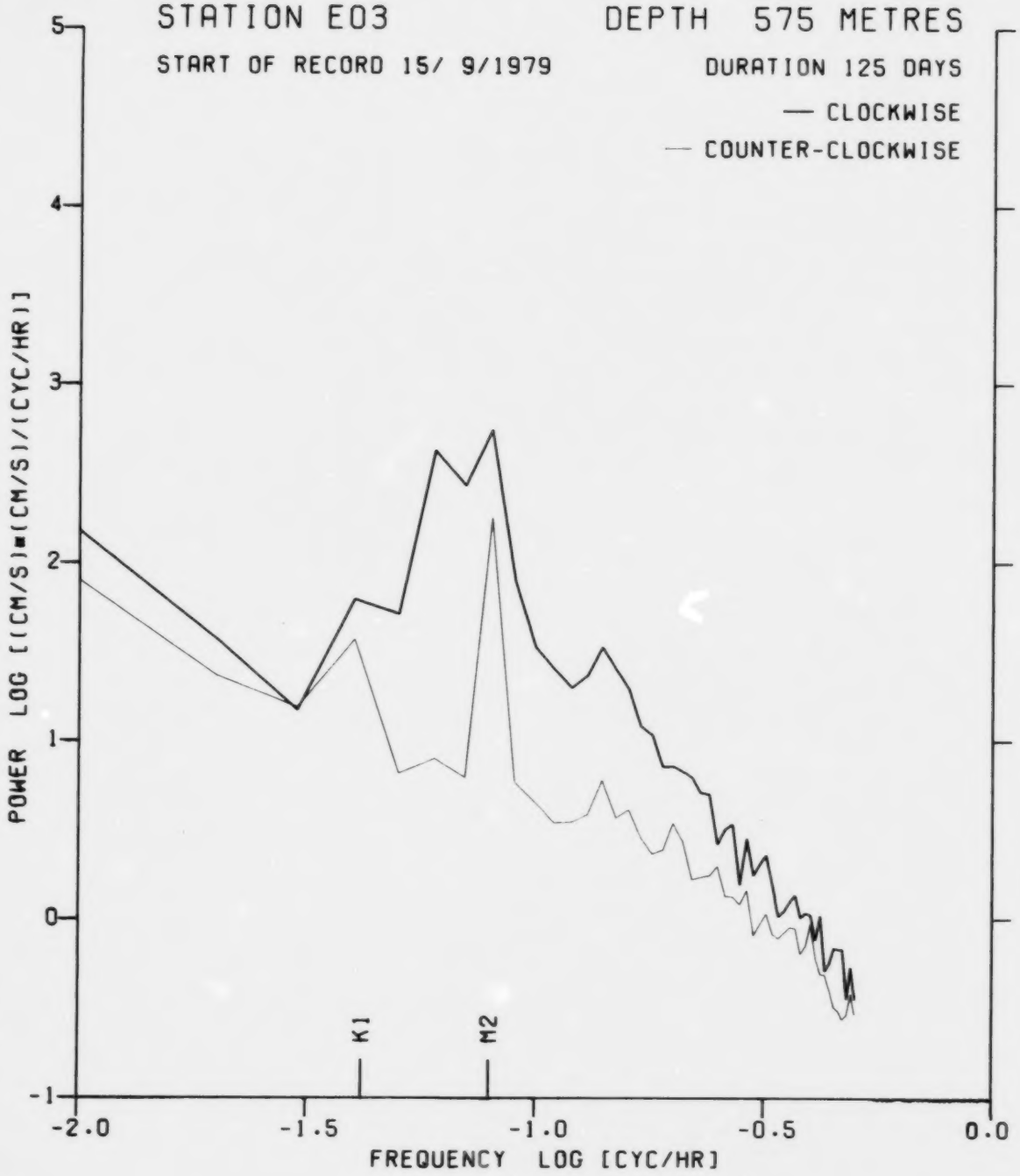
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

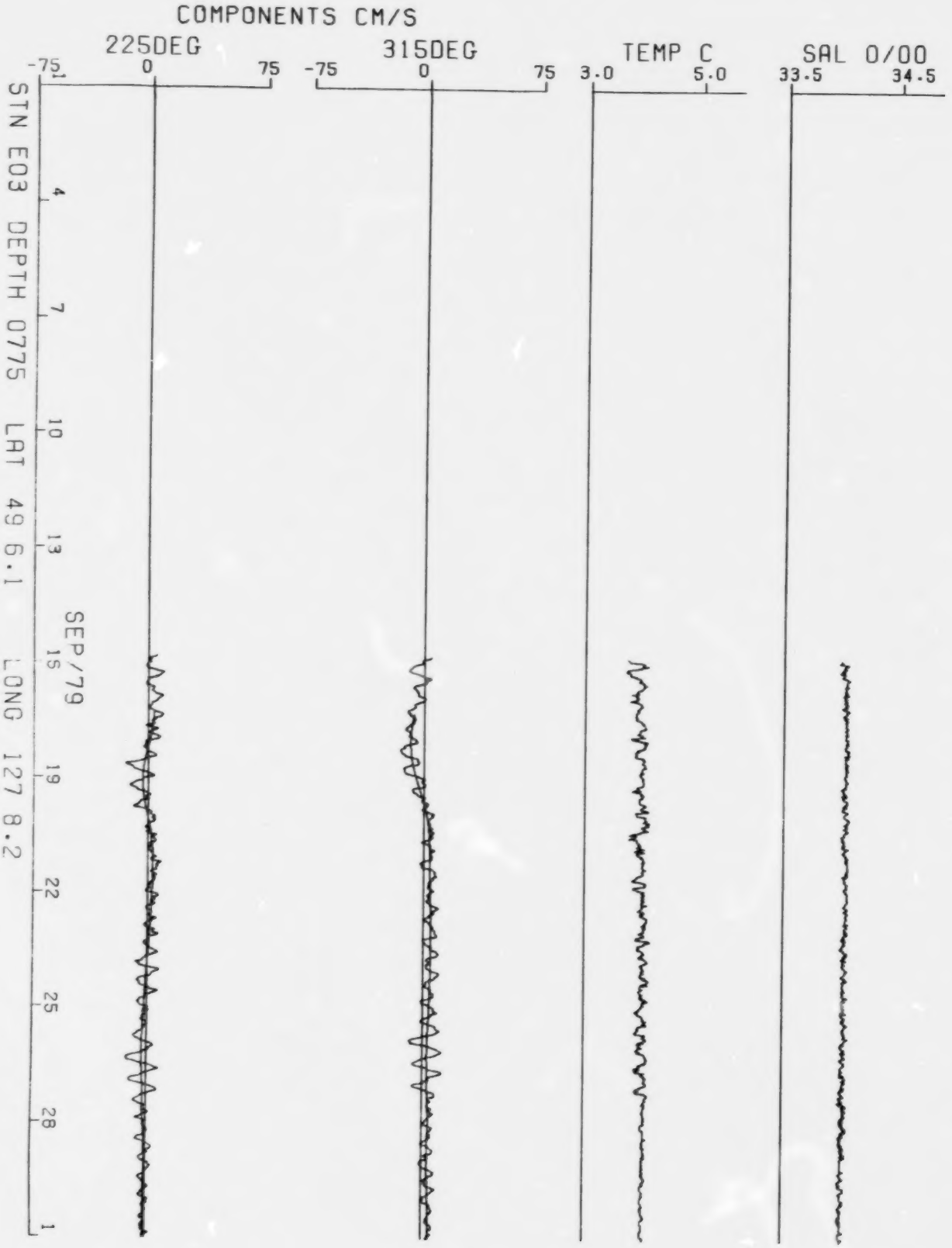
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

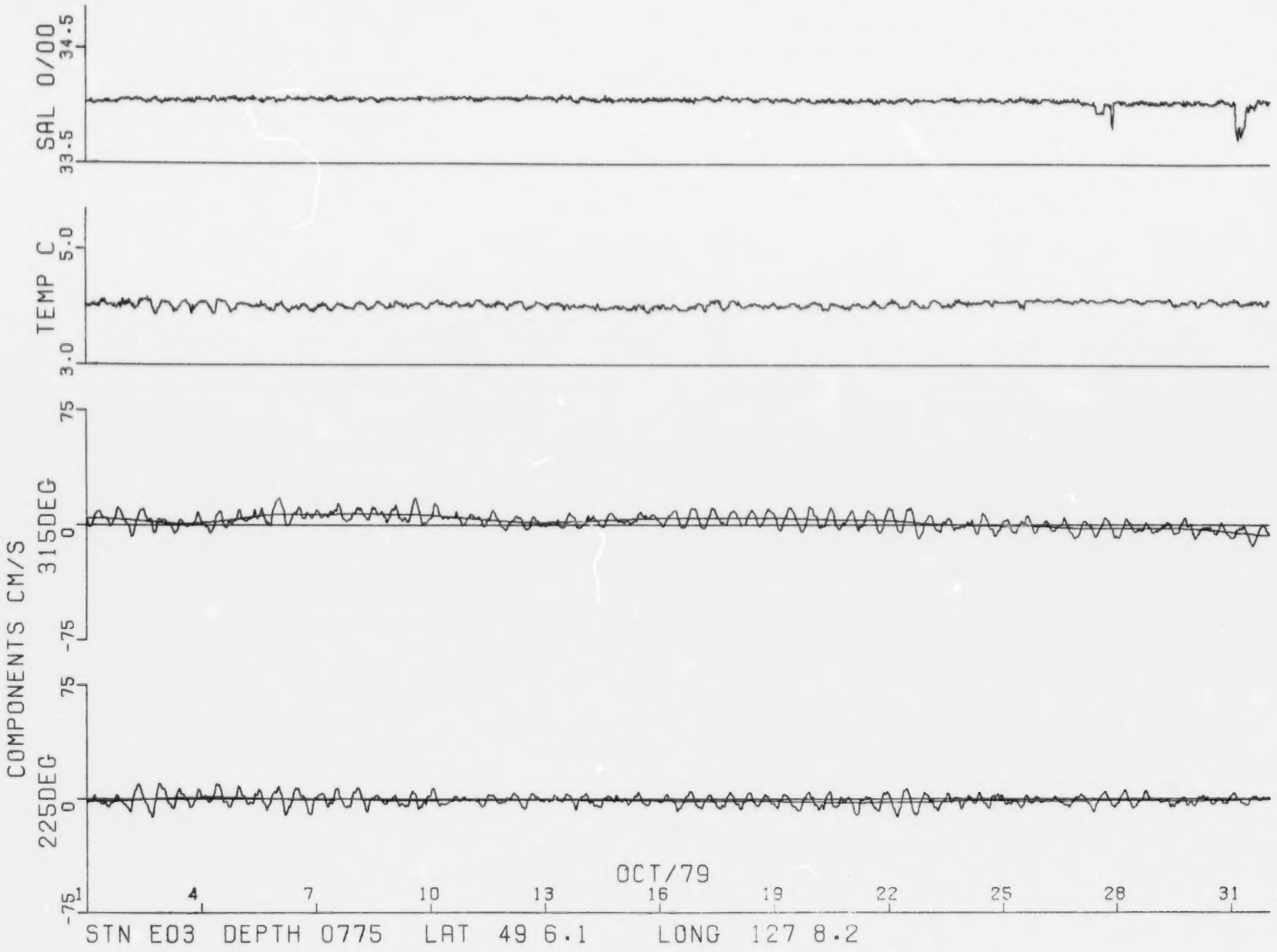
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0575M	8600	258/79	125

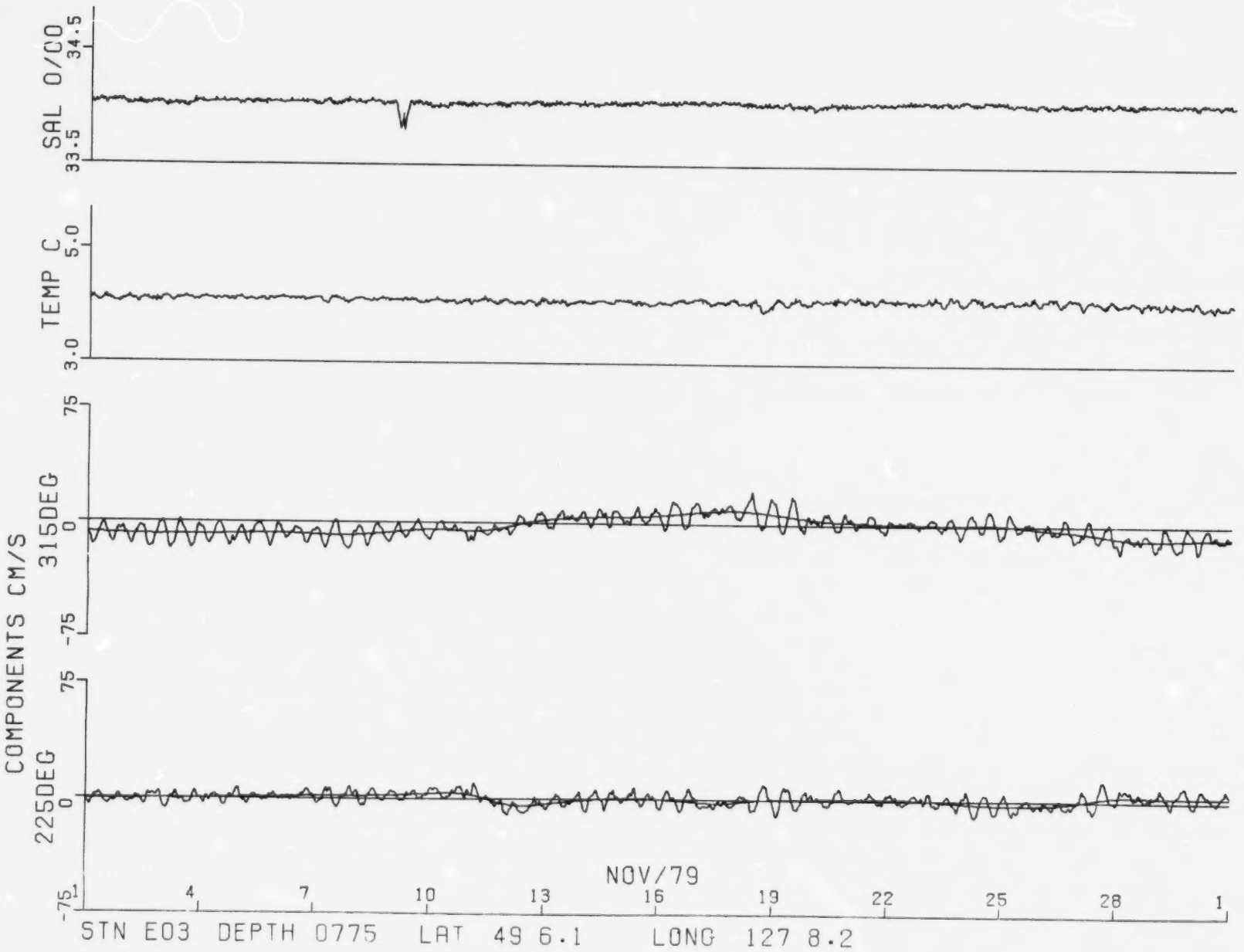
SCALE 100 KM




STATION E03
DEPTH 575 METRES
START OF RECORD 15/ 9/1979
DURATION 125 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
3.0
5.0
SAL 0/00
33.5
34.5
STN E03 DEPTH 0775 LAT 49 6.1 LONG 127 8.2
SEP/79
4
7
10
13
15
19
22
25
28
1


SAL 0/00
34.5
33.5
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
OCT/79
STN E03 DEPTH 0775 LAT 49 6.1 LONG 127 8.2


SAL O/OO
34.5
33.5
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
4
7
10
13
16
19
22
25
28
1
STN E03 DEPTH 0775 LAT 49 6.1 LONG 127 8.2

STN E03 DEPTH 0775 LAT 49 6.1 LONG 127 8.2
DEC/79
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
33.5
34.5

STN E03 DEPTH 0775 LAT 49 6.1 LONG 127 8.2
JAN/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
33.5
34.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0775 ESTEVAN POINT 49 06.1 N 127 08.2 W Length of record=124 Days
Start of record 30 mn 19 hr 15 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	061	089	005																							155
10- 19	067	083	007																							157
20- 29	057	058	007																							122
30- 39	061	056	007																							124
40- 49	062	048	013																							123
50- 59	053	039	005																							97
60- 69	057	037	006																							100
70- 79	057	051	013																							121
80- 89	064	063	009	002																						138
90- 99	065	060	012	005																						150
100-109	052	061	013	001																						127
110-119	066	069	031	005																						171
120-129	060	085	053	019																						217
130-139	070	080	049	017																						216
140-149	076	099	053	029																						257
150-159	069	081	045	010																						205
160-169	063	069	038	004																						174
170-179	053	044	017	001																						115
180-189	055	059	019																							133
190-199	053	049	020	002																						124
200-209	049	046	017	002																						114
210-219	062	041	010	001																						114
220-229	056	042	007	001																						106
230-239	042	037	004	001																						84
240-249	047	033	008																							88
250-259	049	032	008	001																						90
260-269	077	065	009																							151
270-279	067	087	028	002																						184
280-289	090	108	038	003																						239
290-299	105	136	043	011																						295
300-309	078	128	052	012	003																					273
310-319	075	138	064	014	007																					298
320-329	095	125	048	006	004																					278
330-339	090	117	036	003	001																					247
340-349	084	114	020	001																						219
350-359	068	091	009																							168
	2628		153		0		0		0		0		0		0		0		0		0		0		0	5974
	2365		823		15		0		0		0		0		0		0		0		0		0		0	

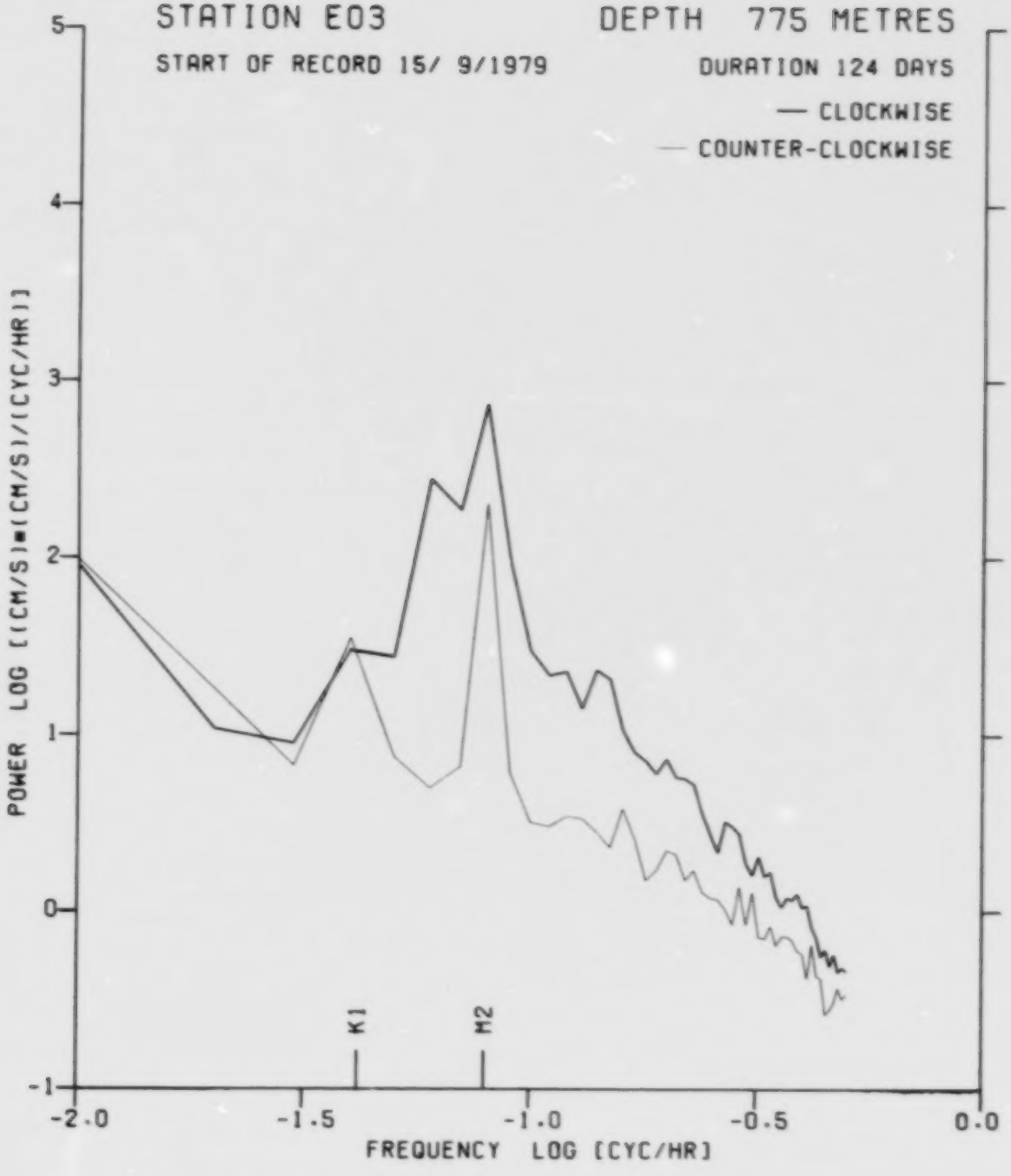
Number of zero rates: 0

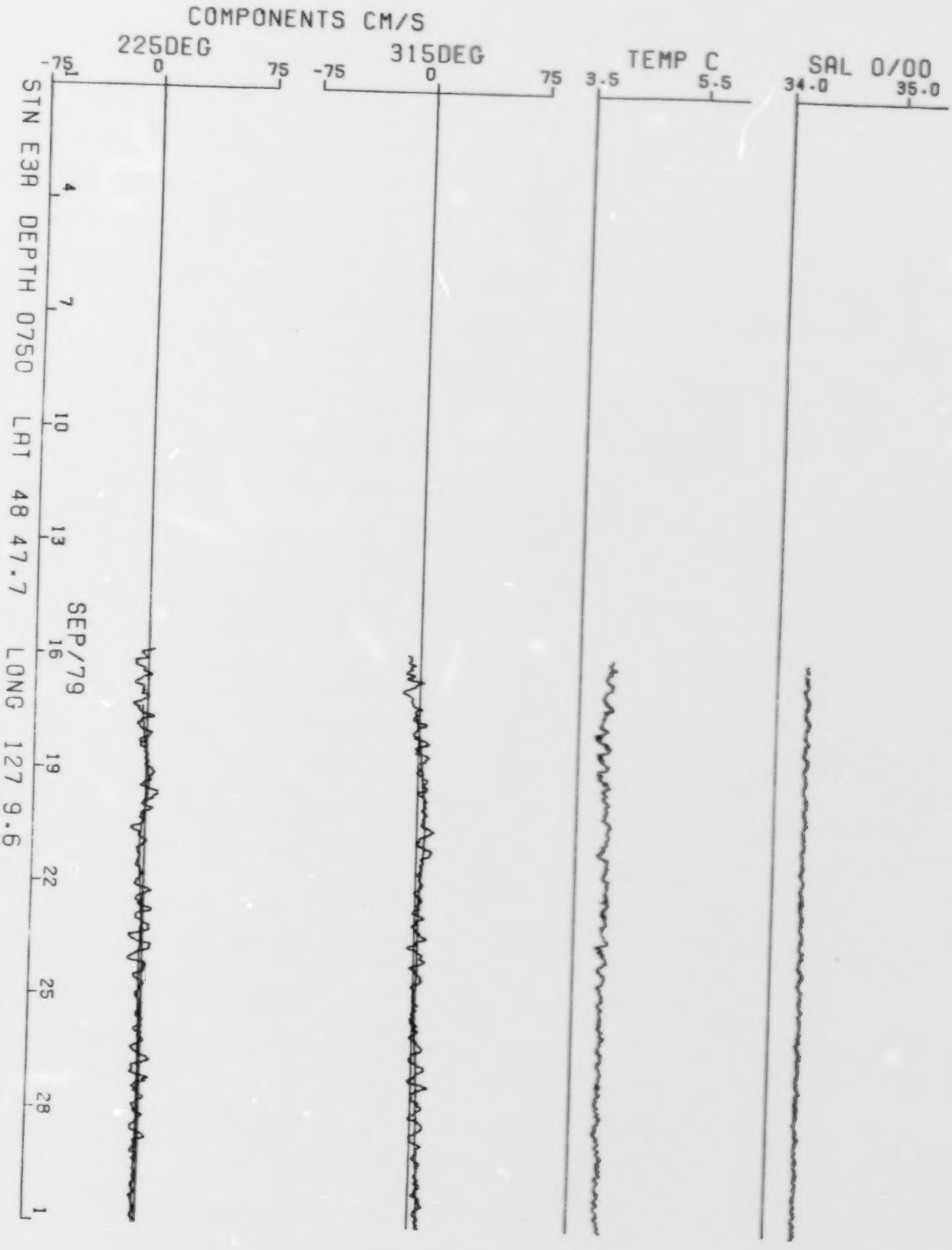
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

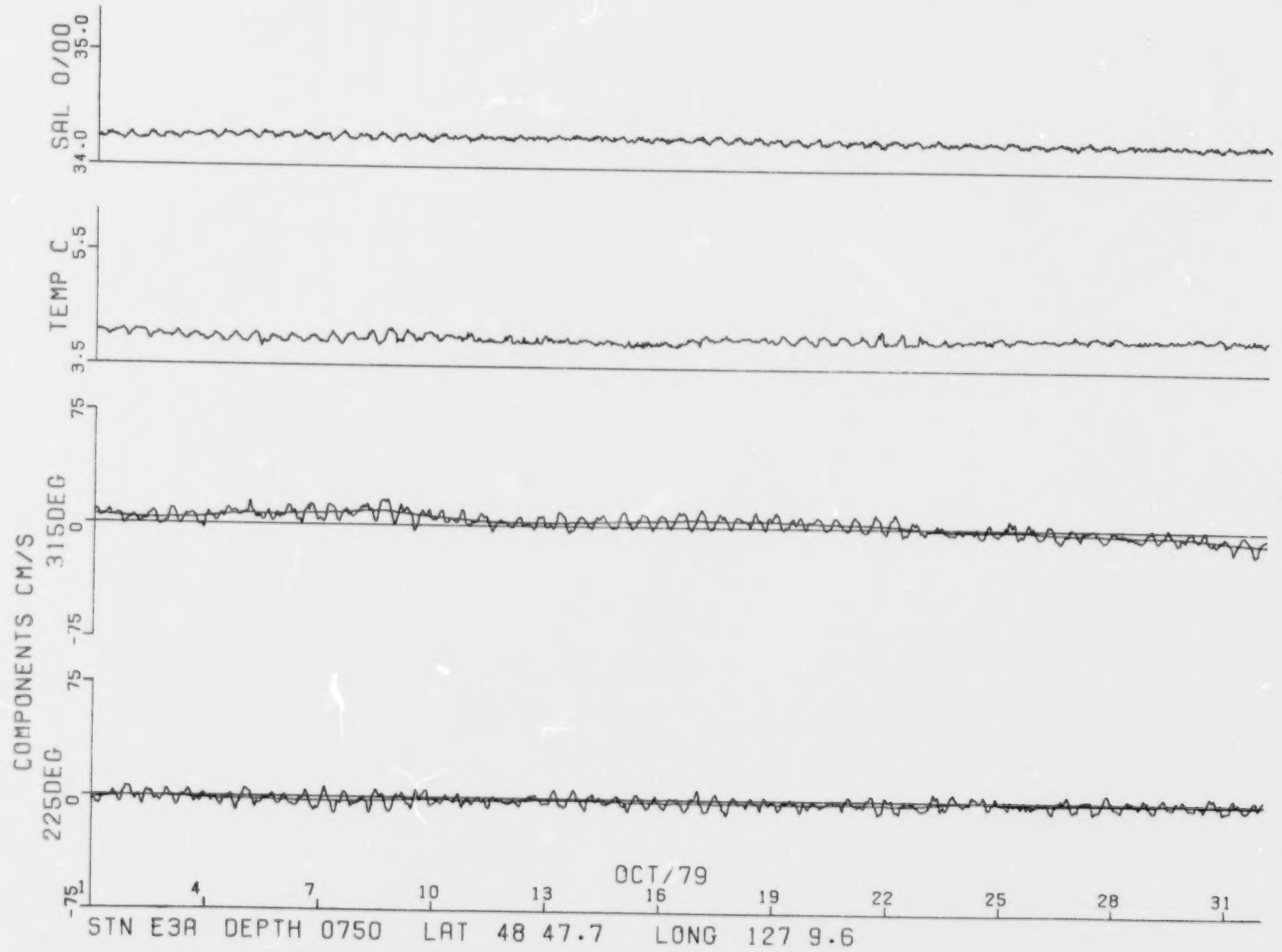
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

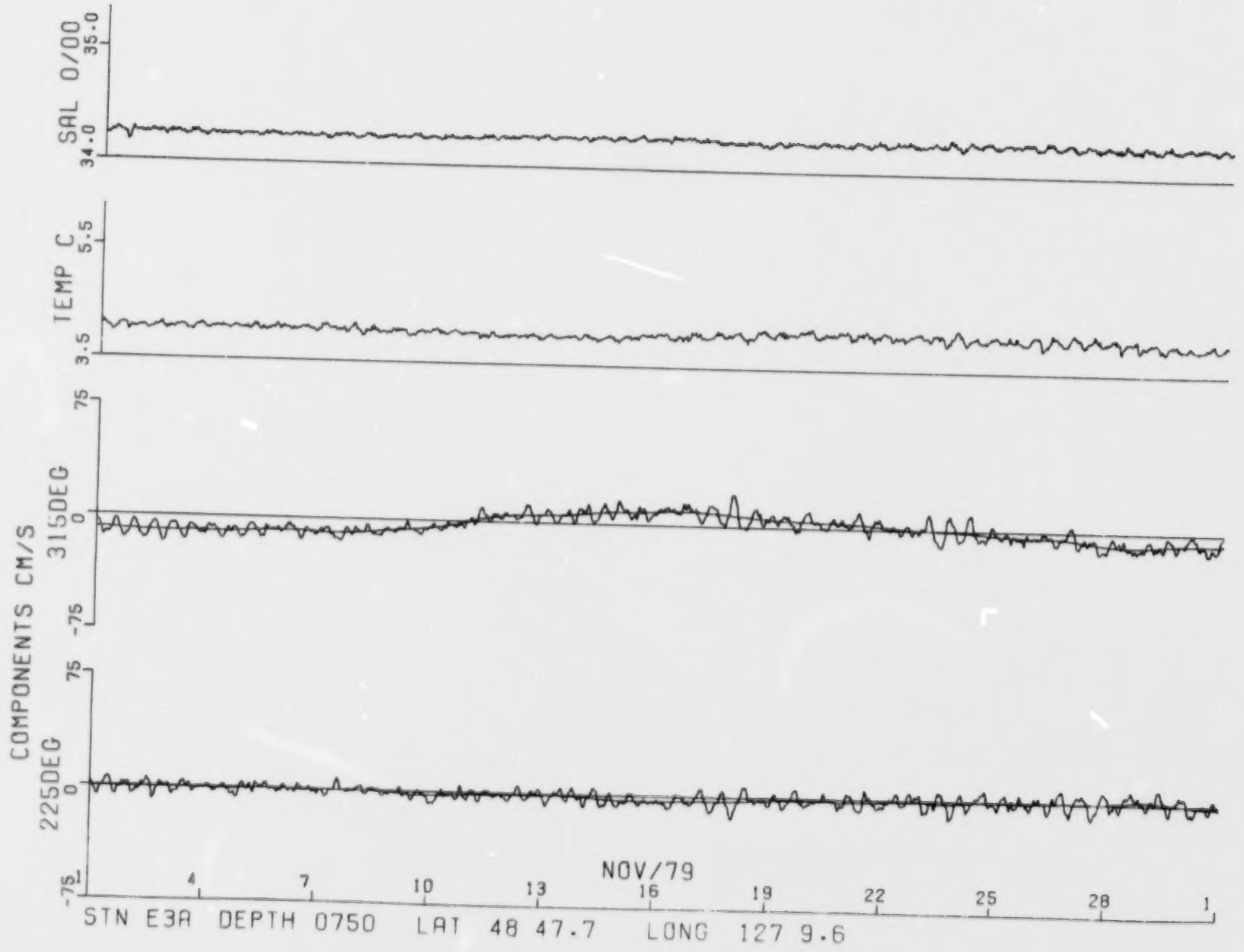
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0775M	8600	258/79	124

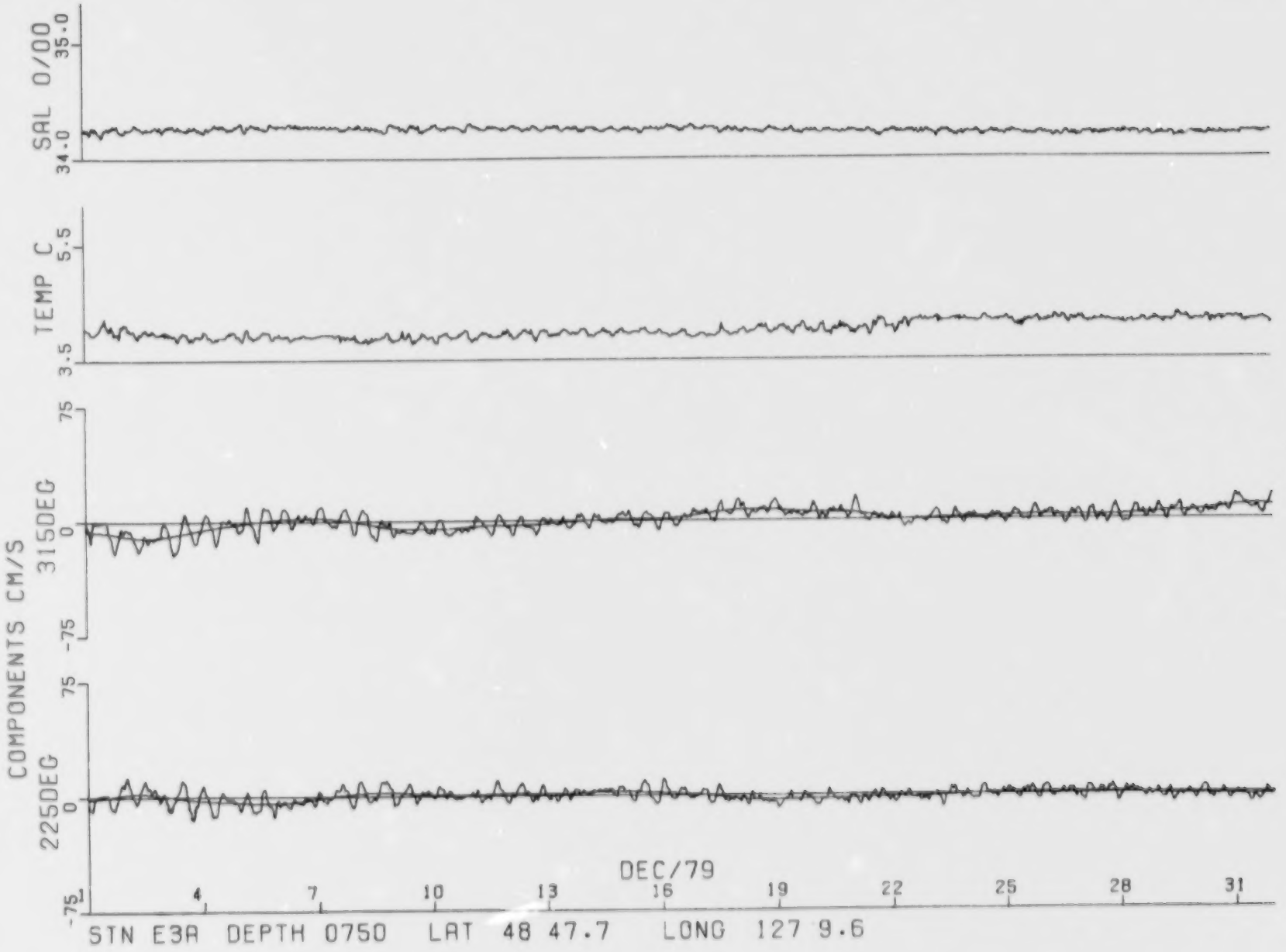
SCALE 50 KM

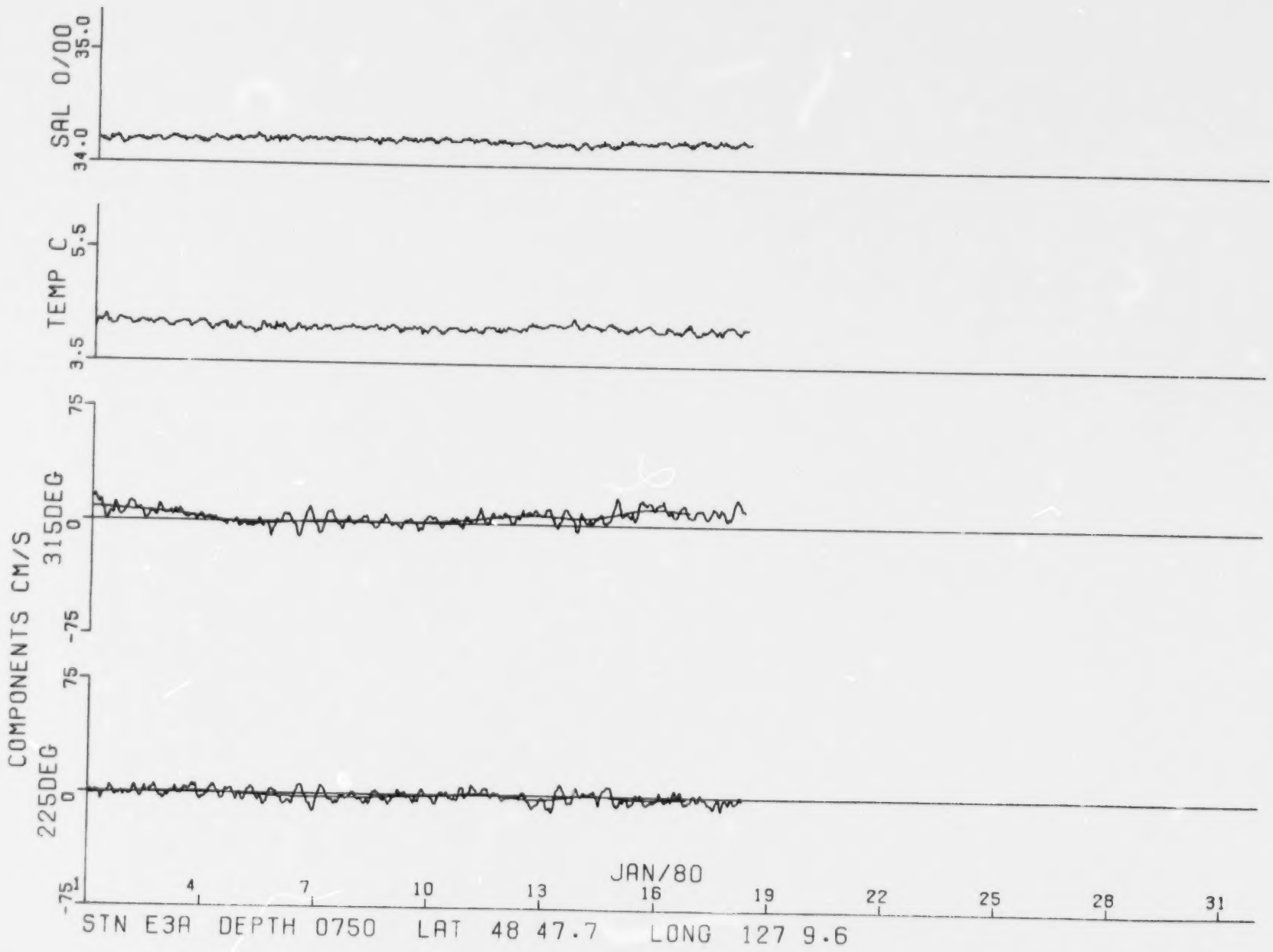

STATION E03
DEPTH 775 METRES
START OF RECORD 15/ 9/1979
DURATION 124 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
3.5
5.5
SAL 0/00
34.0
35.0
STN E3A DEPTH 0750 LAT 48 47.7 LONG 127 9.6
SEP/79
4
7
10
13
16
19
22
25
28
1


SAL O/OO
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
1
4
7
10
13
16
19
22
25
28
31
STN E3A DEPTH 0750 LAT 48 47.7 LONG 127 9.6


SAL 0/00
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
1
NOV/79
STN E3A DEPTH 0750 LAT 48 47.7 LONG 127 9.6


SAL O/OO
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN E3A DEPTH 0750 LAT 48 47.7 LONG 127 9.6


SAL 0/00
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
22
25
28
31
STN E3A DEPTH 0750 LAT 48 47.7 LONG 127 9.6

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E3A Depth 0750 ESTEVAN POINT 48 47.7 N 127 09.6 W Length of record=124 Days
Start of record 30 mn 20 hr 15 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	101	129	020																							250
10- 19	073	080	005	001																						159
20- 29	075	053	005	001																						134
30- 39	072	034	006																							112
40- 49	066	038	004																							108
50- 59	091	050	009																							150
60- 69	073	053	007	001																						134
70- 79	068	047	008	001																						124
80- 89	053	046	014	002																						115
90- 99	050	045	014	003																						112
100-109	055	066	023	007																						151
110-119	055	090	044	006																						195
120-129	042	122	055	008	003																					230
130-139	059	117	052	009	003																					240
140-149	037	115	045	007	002																					206
150-159	051	073	035	005																						164
160-169	052	037	018	004																						111
170-179	043	024	009	003																						79
180-189	050	031	009																							90
190-199	039	024	007																							70
200-209	041	013	001																							55
210-219	027	013	003																							43
220-229	052	011	001																							64
230-239	059	022																								81
240-249	046	020																								66
250-259	067	044																								111
260-269	053	040																								93
270-279	048	054	004																							106
280-289	057	101	014																							172
290-299	060	095	025																							180
300-309	084	129	036	007																						256
310-319	082	180	073	025																						360
320-329	075	211	081	018	003																					380
330-339	097	192	083	009	002																					383
340-349	126	222	042	003	001																					394
350-359	109	138	044	004																						295
	2759		116		0		0		0		0		0		0		0		0		0		0		0	5973
	2288		796		14		0		0		0		0		0		0		0		0		0		0	

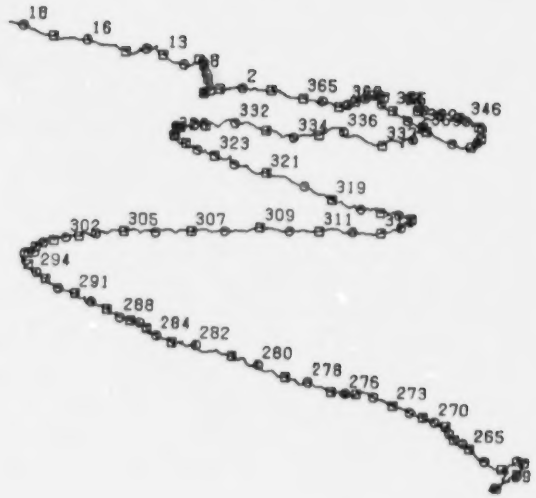
Number of zero rates: 0

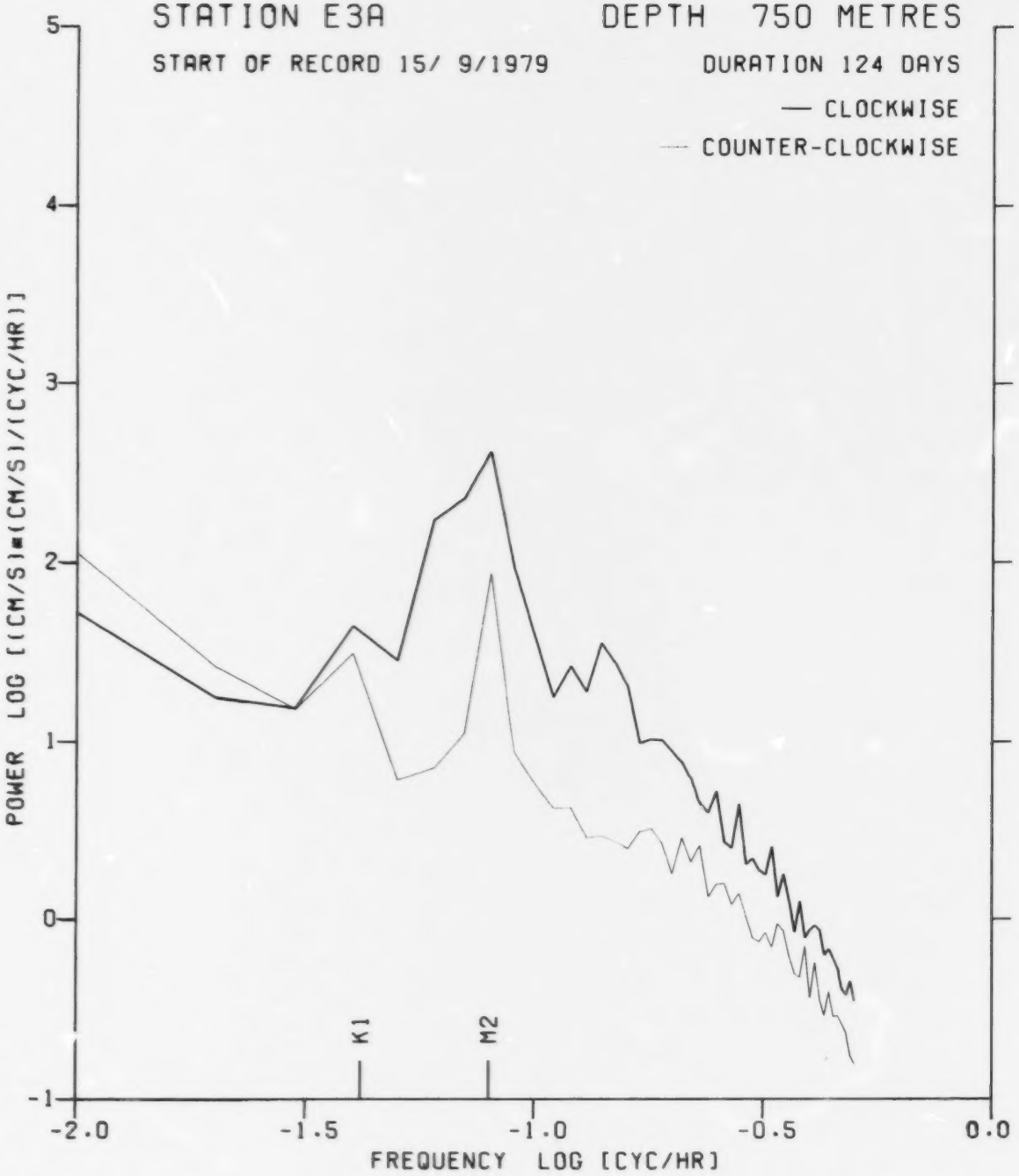
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

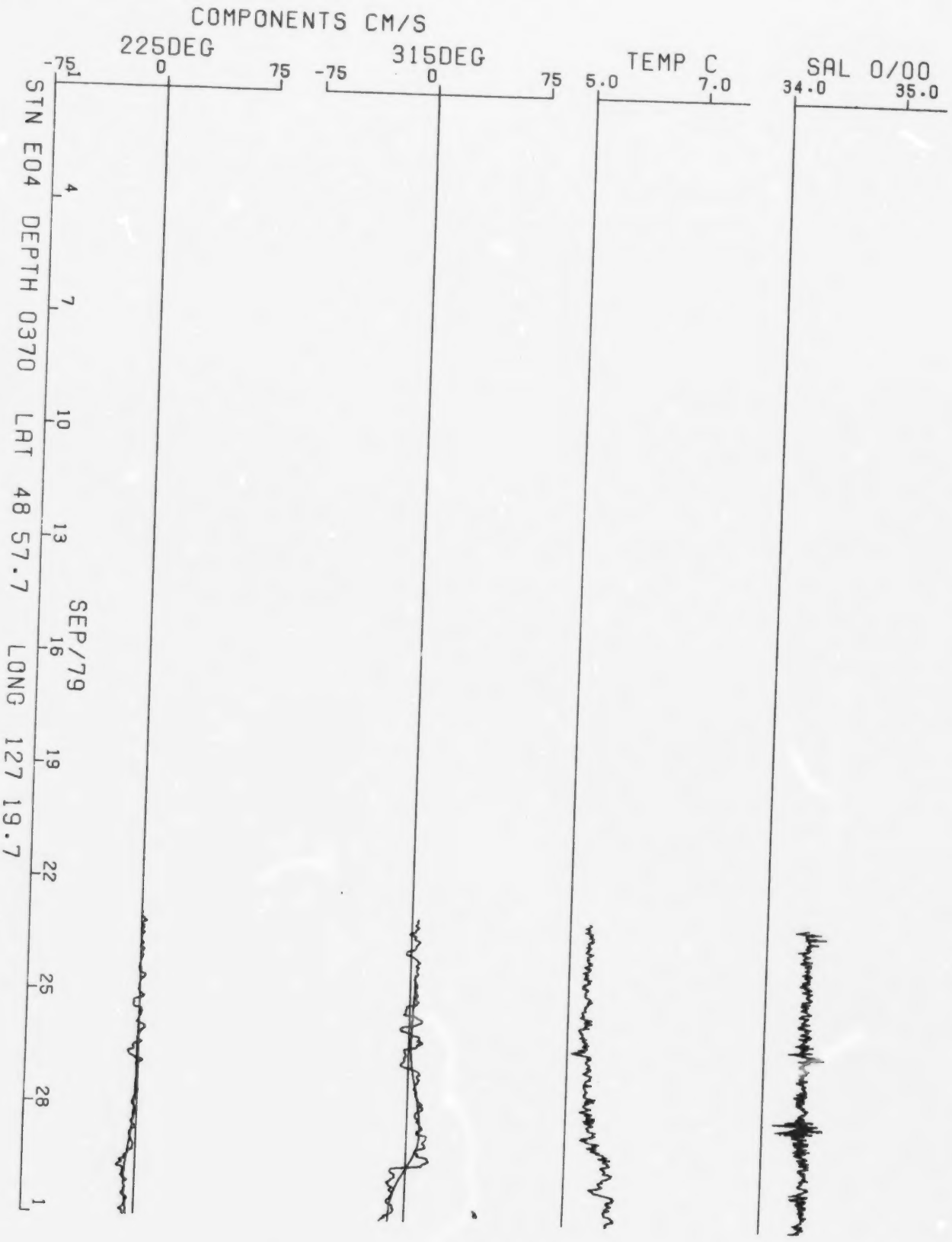
☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

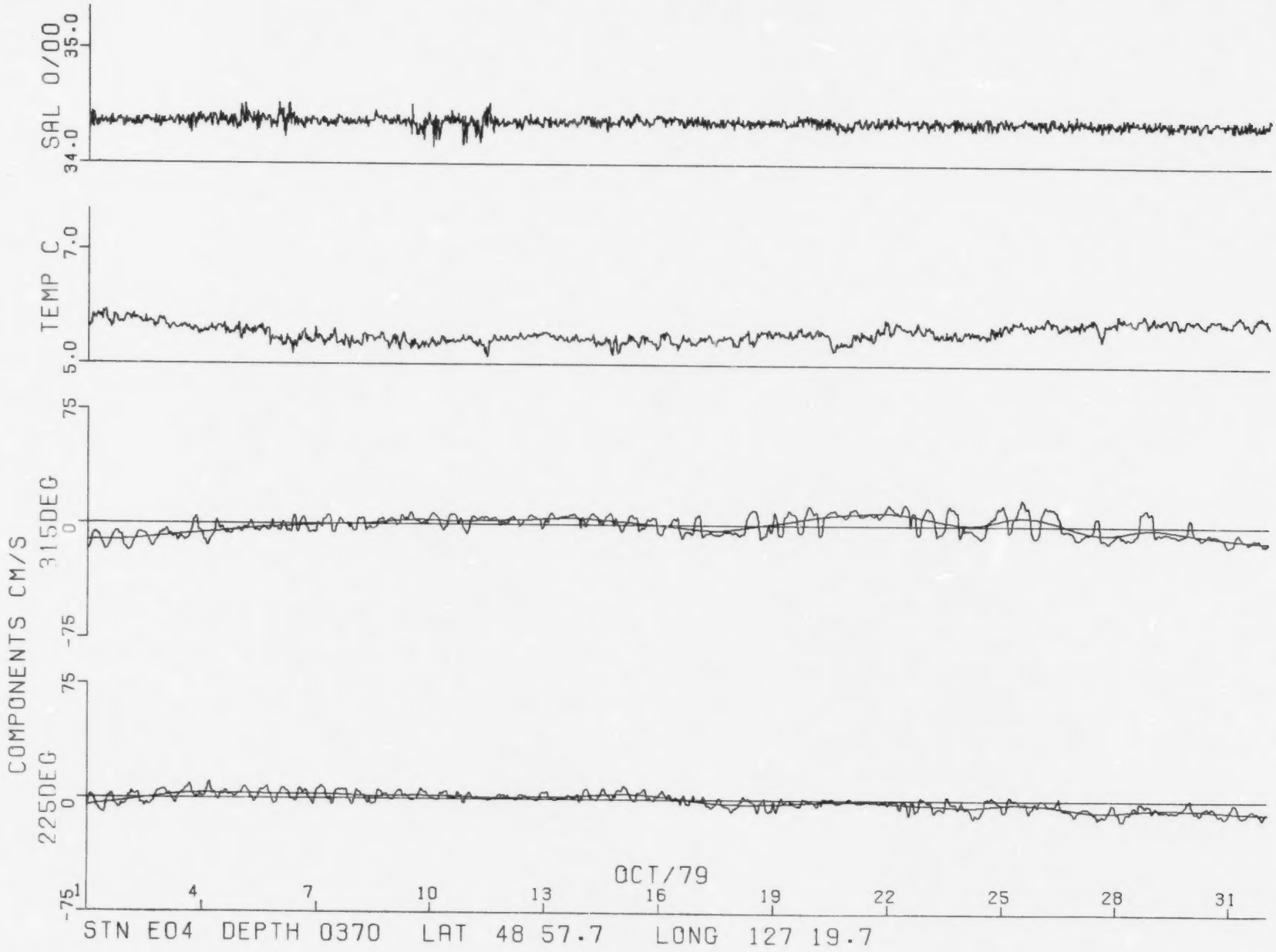
STN	DEPTH	AREA	DAY/YR	NO DAYS
E3A	0750M	8600	258/79	124

SCALE 50 KM

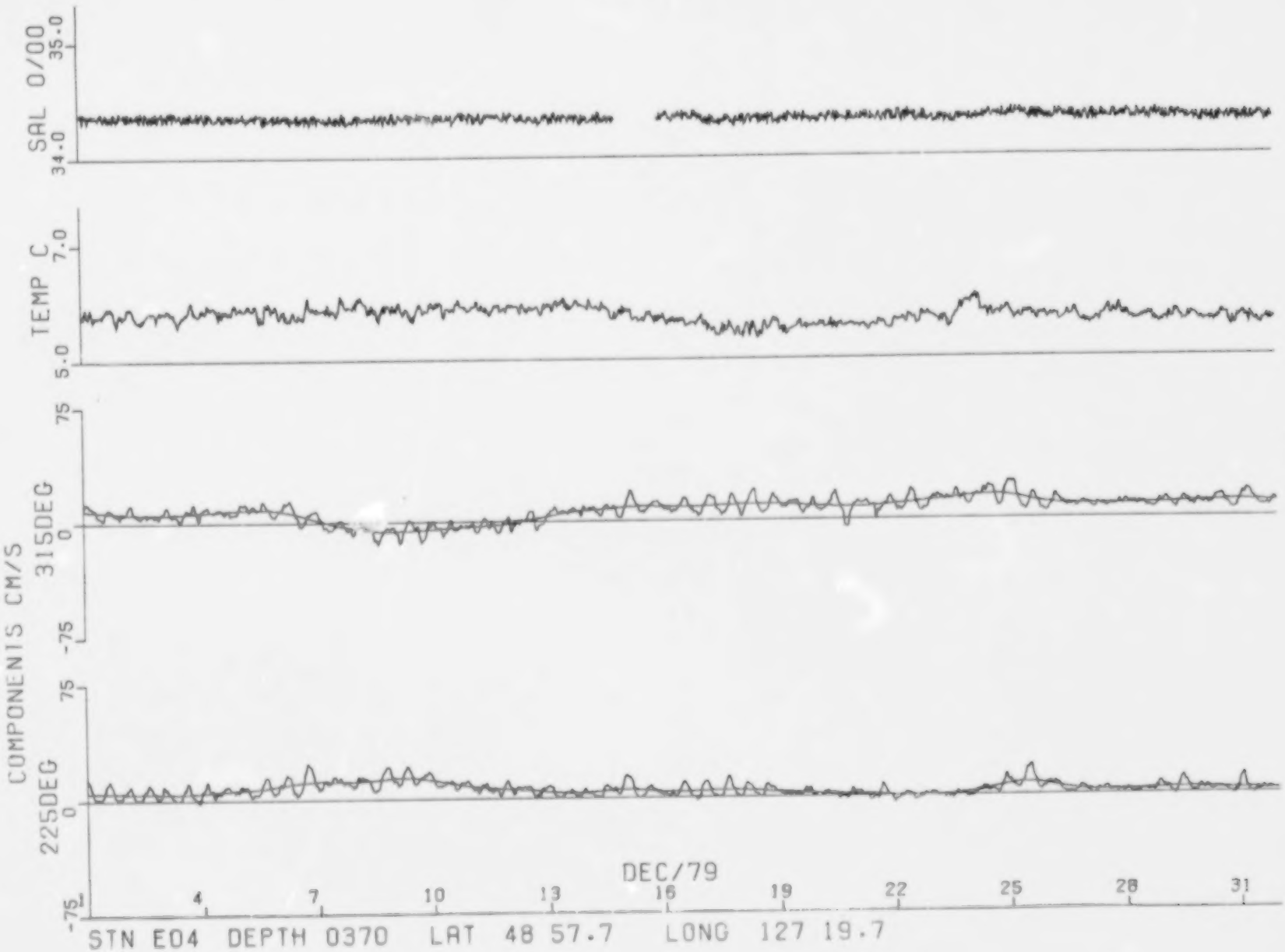


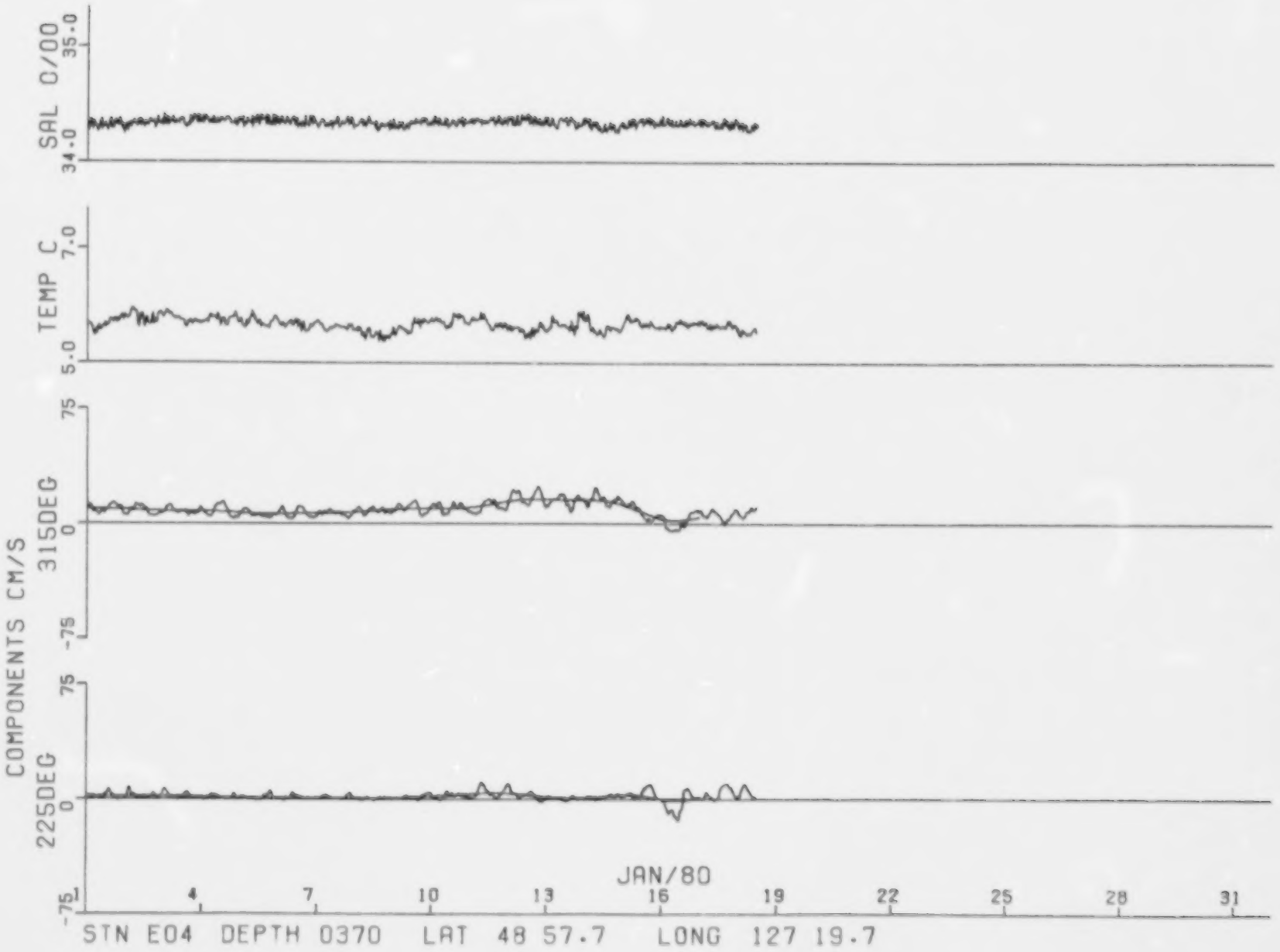

STATION E3A
DEPTH 750 METRES
START OF RECORD 15/ 9/1979
DURATION 124 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
5.0
7.0
SAL 0/00
34.0
35.0
STN E04 DEPTH 0370 LAT 48 57.7 LONG 127 19.7
SEP/79
4
7
10
13
16
19
22
25
28
1


SAL O/OO
35.0
34.0
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0370 LAT 48 57.7 LONG 127 19.7

STN E04 DEPTH 0370 LAT 48 57.7 LONG 127 19.7
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
5.0
7.0
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0370 LAT 48 57.7 LONG 127 19.7


SAL O/OO
35.0
34.0
TEMP C
7.0
5.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
JAN/80
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0370 LAT 48 57.7 LONG 127 19.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0370 ESTEVAN POINT 48 57.7 N 127 19.7 W Length of record=118 Days
Start of record 0 mn 22 hr 22 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	001	005																								6
10- 19		002	004																							6
20- 29	002	006	001																							9
30- 39		004	001																							5
40- 49		006																								6
50- 59		001	002																							3
60- 69	001	015	012																							28
70- 79	019	054	013	002																						88
80- 89	021	073	059	017																						170
90- 99	008	093	115	075	008																					299
100-109	009	047	063	044	006																					169
110-119	009	031	021	008																						69
120-129	009	026	017	016																						68
130-139	007	019	021	016	006																					69
140-149	012	027	017	030	014																					100
150-159	009	030	013	030	010	005																				97
160-169	011	025	008	026	007																					77
170-179	014	029	012	009	001																					65
180-189	007	020	019	010	005																					61
190-199	011	031	021	026	007																					96
200-209	009	047	042	026	033																					157
210-219	007	027	031	022	012	002																				101
220-229	013	039	012	052	023	004																				143
230-239	019	046	009	021	044	001																				140
240-249	013	052	018	014	010	001																				108
250-259	019	070	032	009	002																					132
260-269	021	091	076	029	002																					219
270-279	030	106	074	022	007																					239
280-289	040	116	072	029	014																					279
290-299	046	174	113	035	020	002																				390
300-309	090	405	334	109	039																					977
310-319	086	379	205	008	011																					769
320-329	078	191	077	015	001																					362
330-339	005	053	040	003																						101
340-349	002	008	006	002																						18
350-359		004	005																							9
	2352		793		15		0		0		0		0		0		0		0		0		0			5643
	636	1565		282		0		0		0		0		0		0		0		0		0		0		

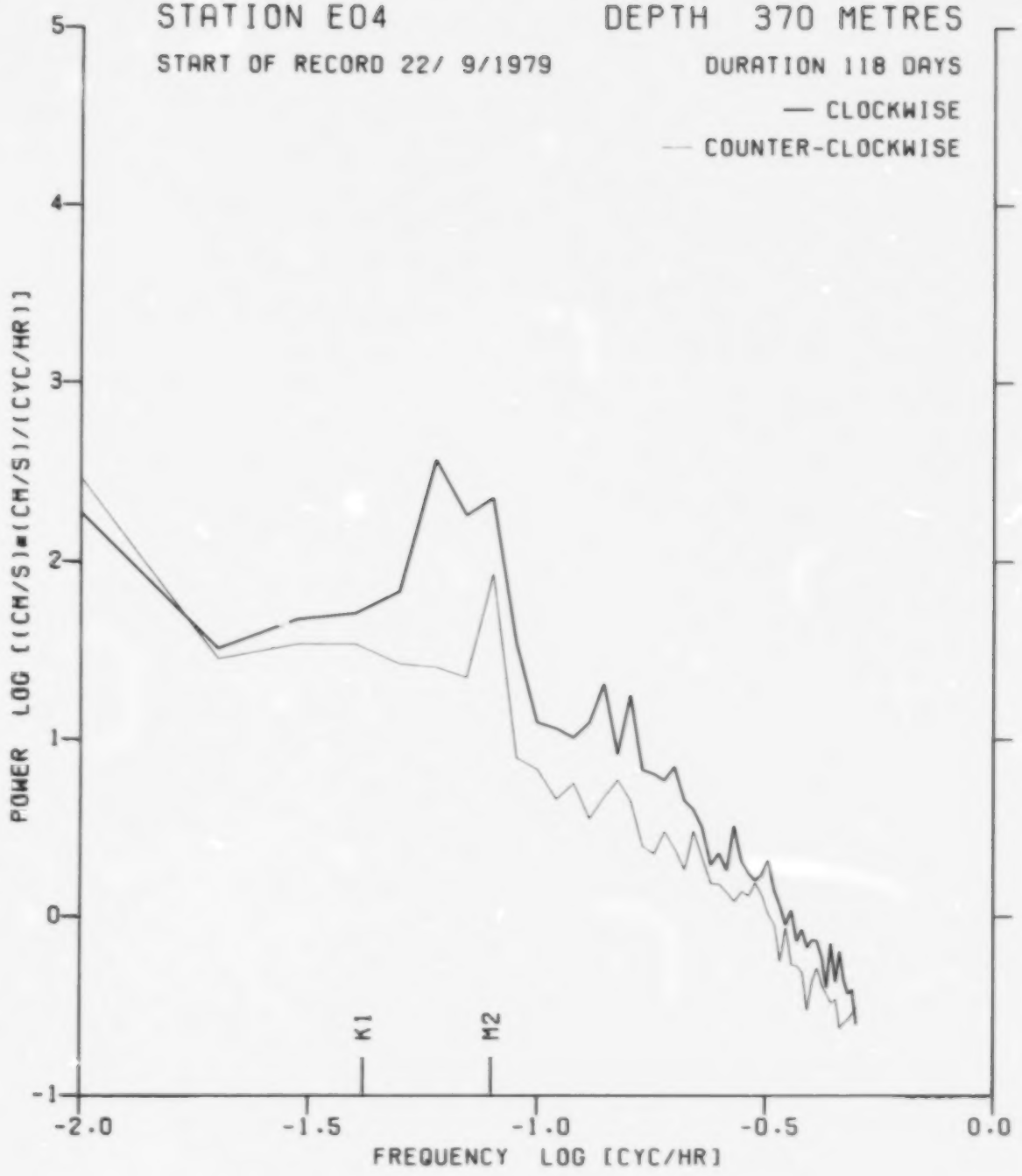
Number of zero rates: 0

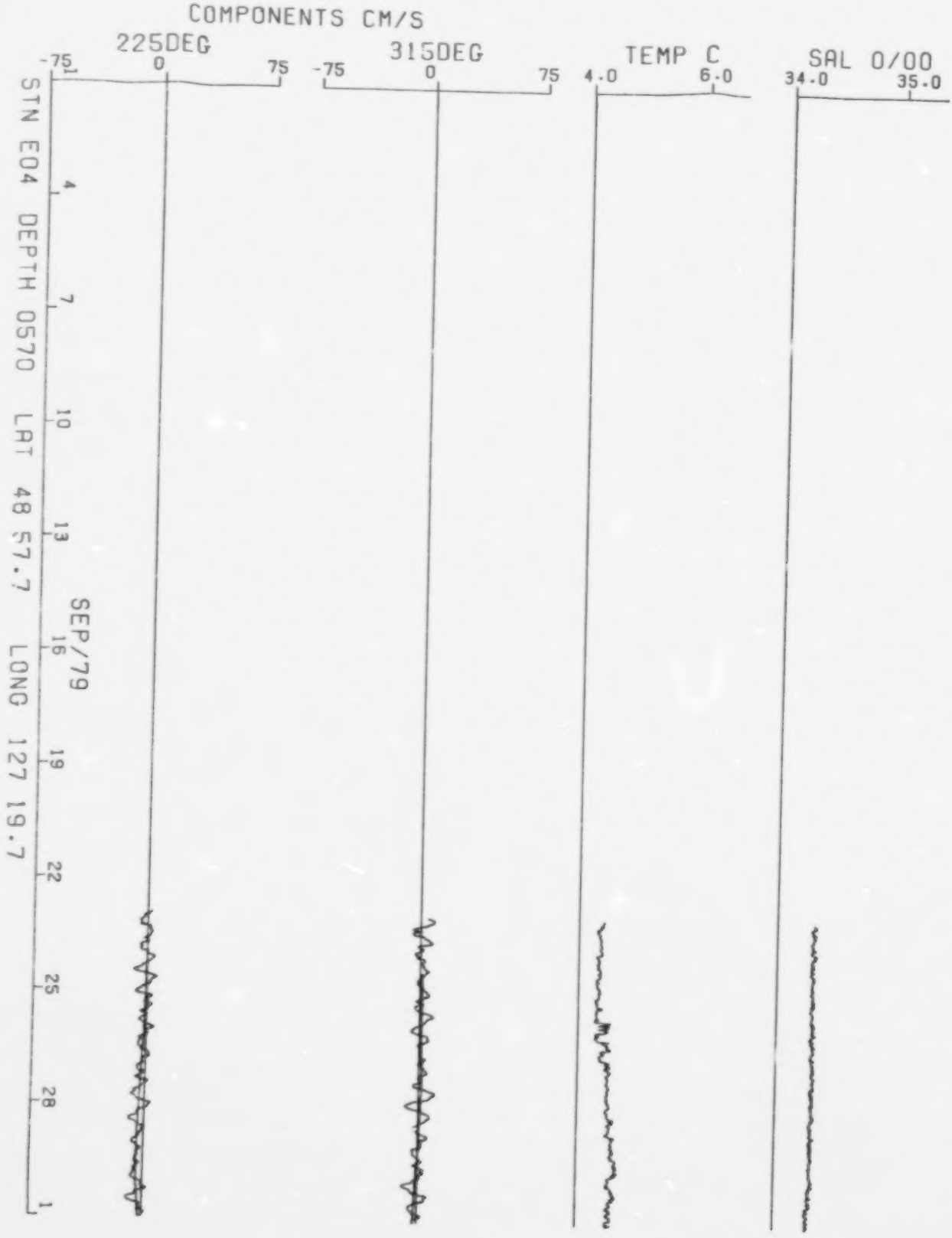
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

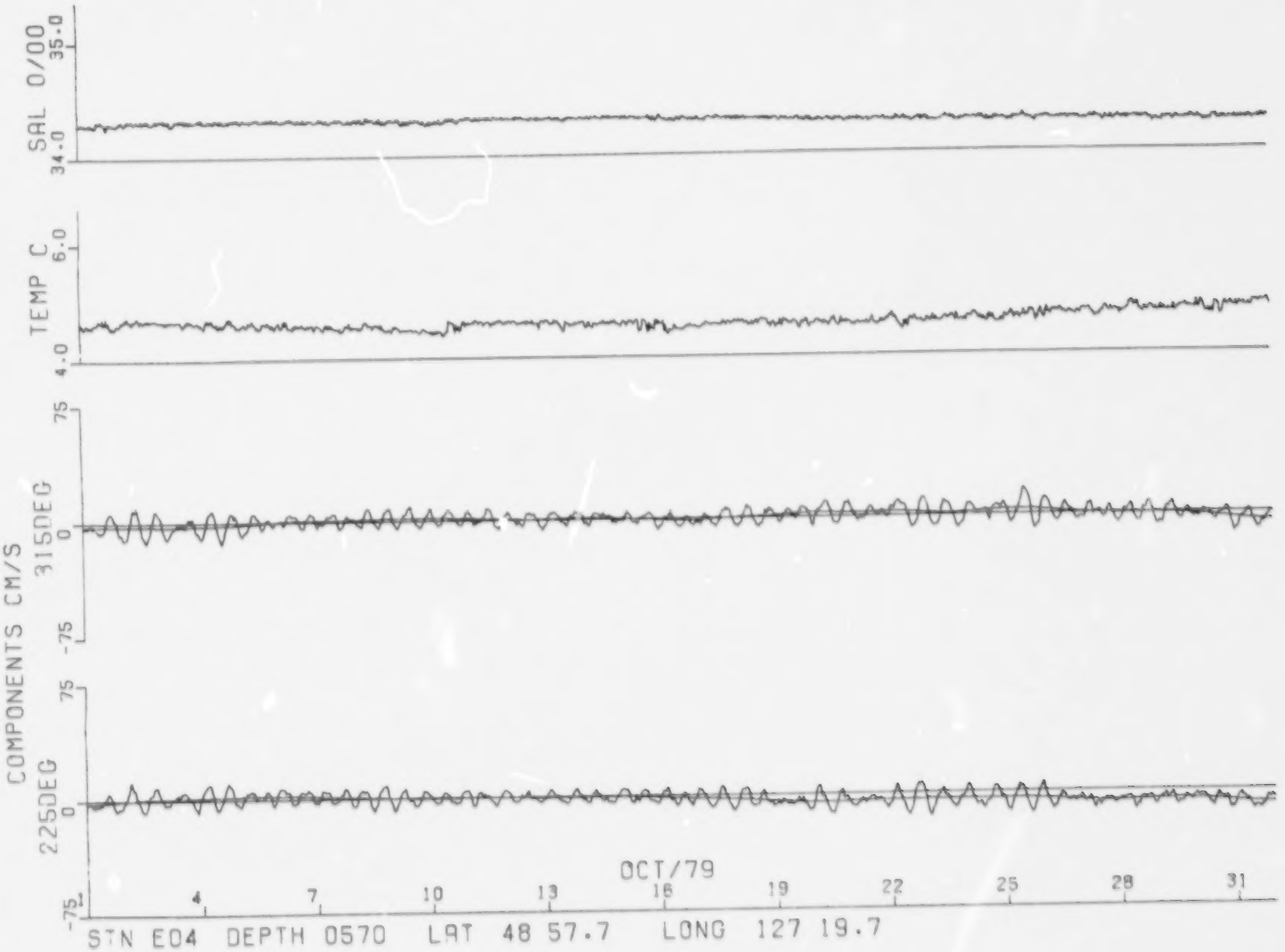
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0370M	8600	265/79	118

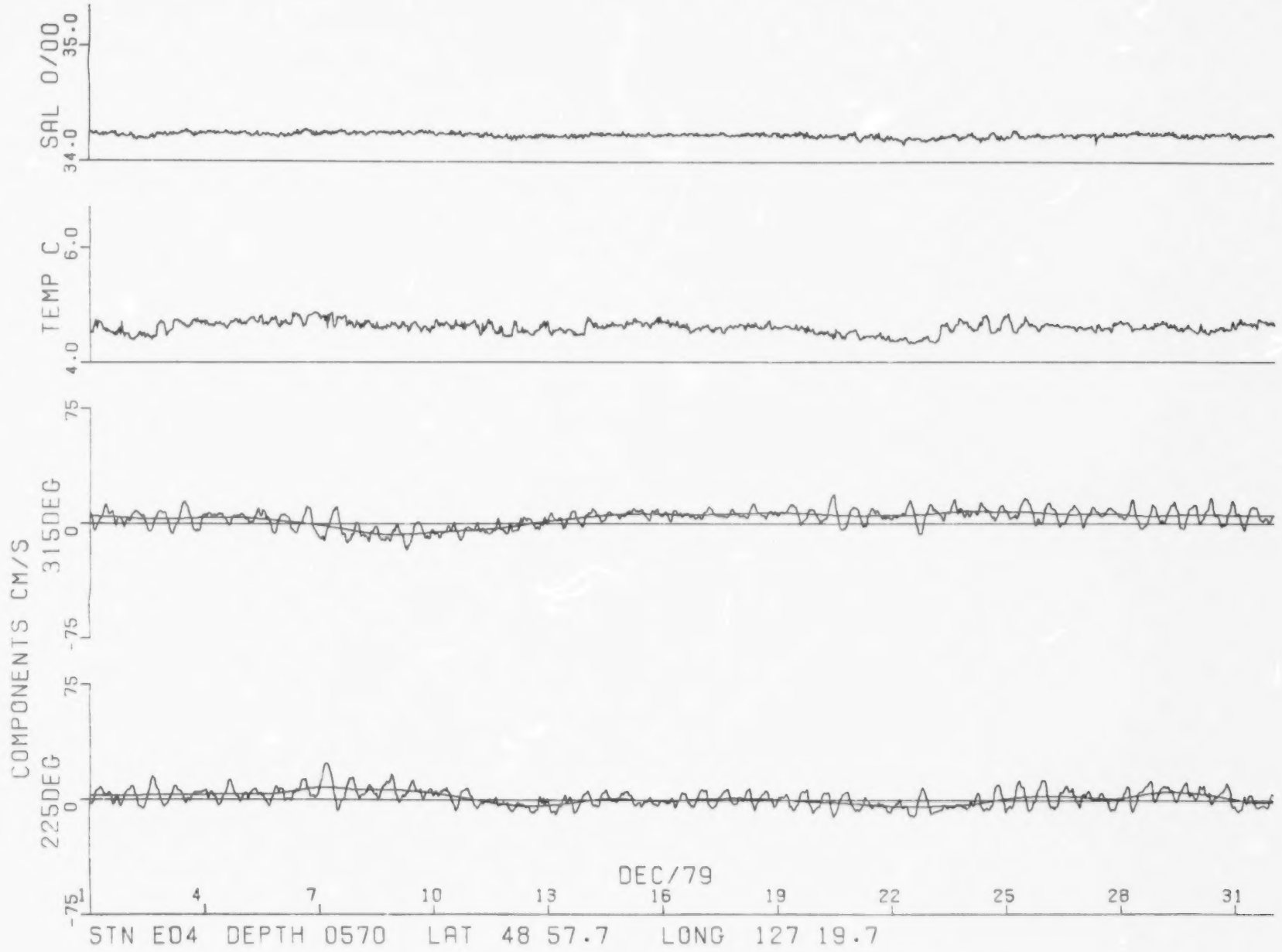
SCALE 100 KM

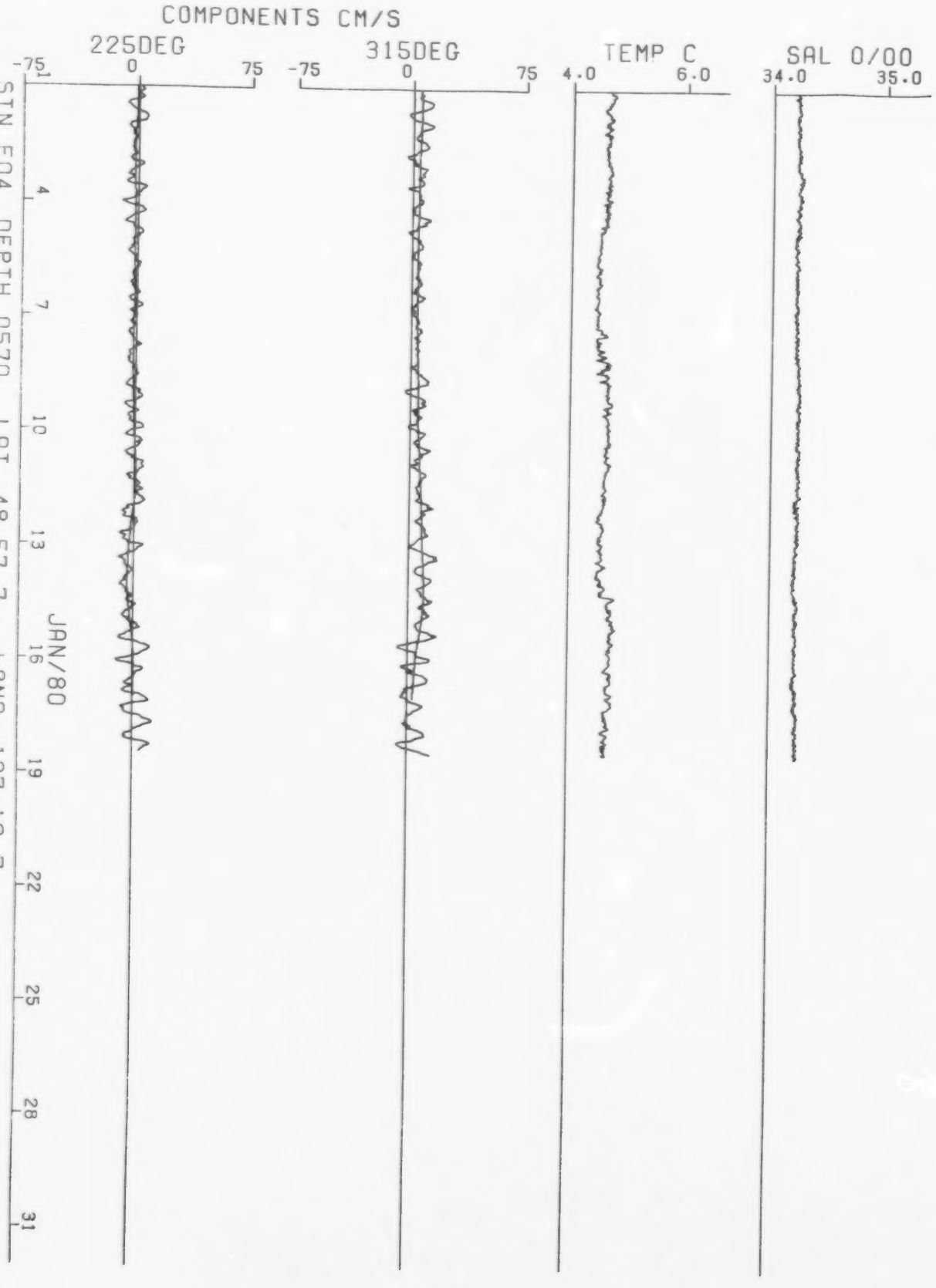

STATION E04
DEPTH 370 METRES
START OF RECORD 22/ 9/1979
DURATION 118 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
4.0
6.0
34.0
35.0
STN E04 DEPTH 0570 LAT 48 57.7 LONG 127 19.7
SEP/79
4
7
10
13
16
19
22
25
28
1


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0570 LAT 48 57.7 LONG 127 19.7

COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
4.0
6.0
34.0
35.0
STN E04 DEPTH 0570 LAT 48 57.7 LONG 127 19.7
NOV/79
4
7
10
13
16
19
22
25
28
1


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
DEC/79
STN E04 DEPTH 0570 LAT 48 57.7 LONG 127 19.7


COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
4.0
6.0
SAL 0/00
34.0
35.0
STN E04 DEPTH 0570 LAT 48 57.7 LONG 127 19.7
JAN/80
4
7
10
13
16
19
22
25
28
31

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0570 ESTEVAN POINT 48 57.7 N 127 19.7 W Length of record=118 Days
Start of record 0 mn 22 hr 22 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	043	133	027	005																						208
10- 19	058	097	023	003																						181
20- 29	040	084	014	003																						141
30- 39	053	088	022	001																						164
40- 49	043	064	021																							128
50- 59	026	050	019	001																						96
60- 69	036	066	035	003																						140
70- 79	028	076	028	010																						142
80- 89	032	069	042	009																						152
90- 99	029	045	034	005																						113
100-109	033	037	027	010																						107
110-119	026	046	020	011																						103
120-129	020	046	010	005	002																					83
130-139	028	026	009	004																						67
140-149	017	036	008	006																						67
150-159	030	043	020	013																						106
160-169	026	032	029	017																						104
170-179	025	025	023	010																						83
180-189	037	045	022	027																						131
190-199	029	038	019	039	008																					133
200-209	030	035	016	025	003																					109
210-219	035	035	017	044	006																					137
220-229	030	049	024	034	008																					145
230-239	031	048	026	017	004																					126
240-249	031	048	019	012	001																					111
250-259	031	052	046	011																						140
260-269	033	071	039	012																						155
270-279	038	105	041	007																						191
280-289	025	101	055	007																						188
290-299	038	148	078	004																						268
300-309	045	125	076	007																						253
310-319	037	115	088	009																						249
320-329	040	119	063	017																						239
330-339	039	159	092	018	002																					310
340-349	050	164	065	009																						288
350-359	051	167	062	005																						285
	2687		420		0		0		0		0		0		0		0		0		0		0			5643
	1243	1259		34		0		0		0		0		0		0		0		0		0		0		

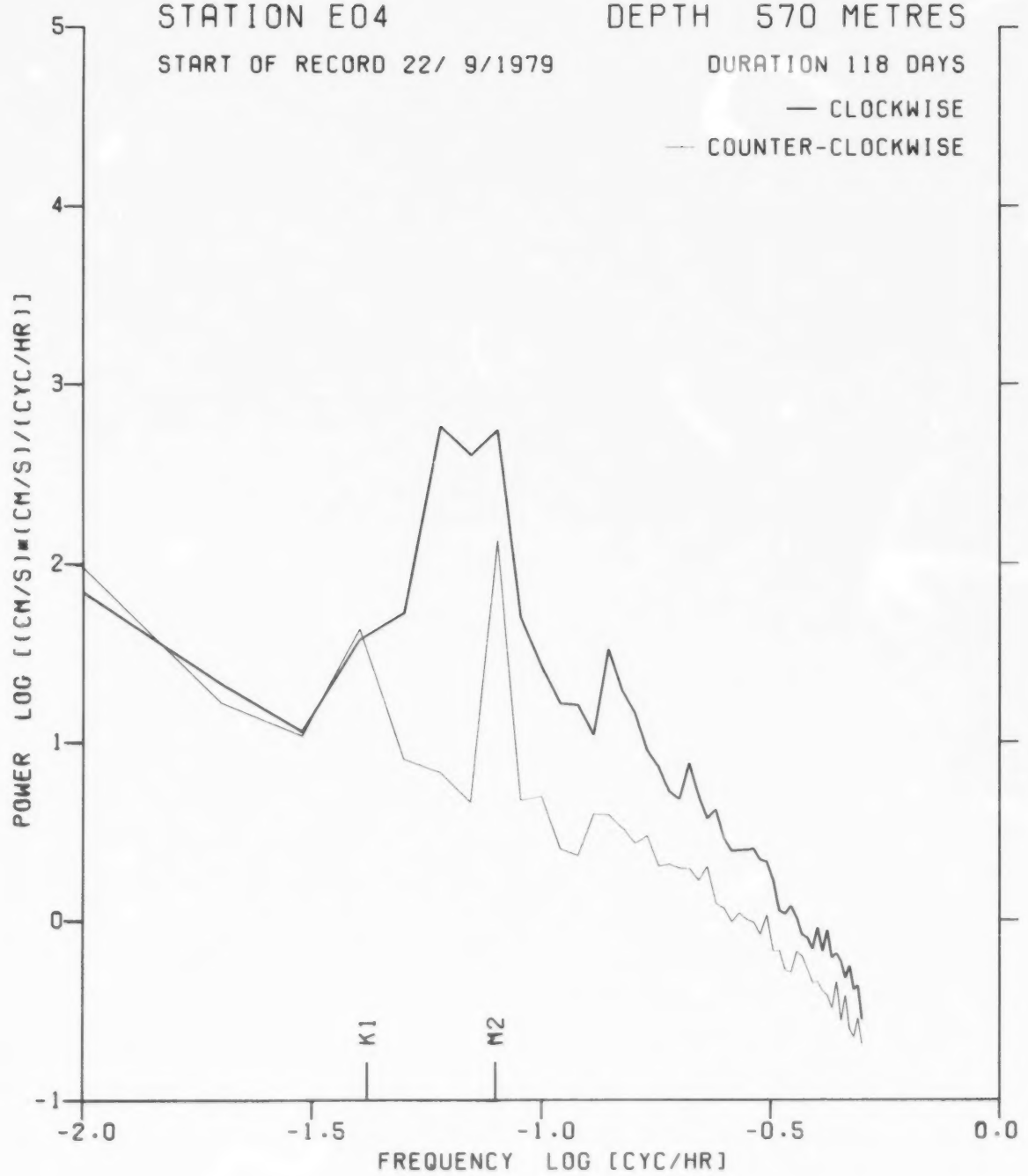
Number of zero rates: 0

ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

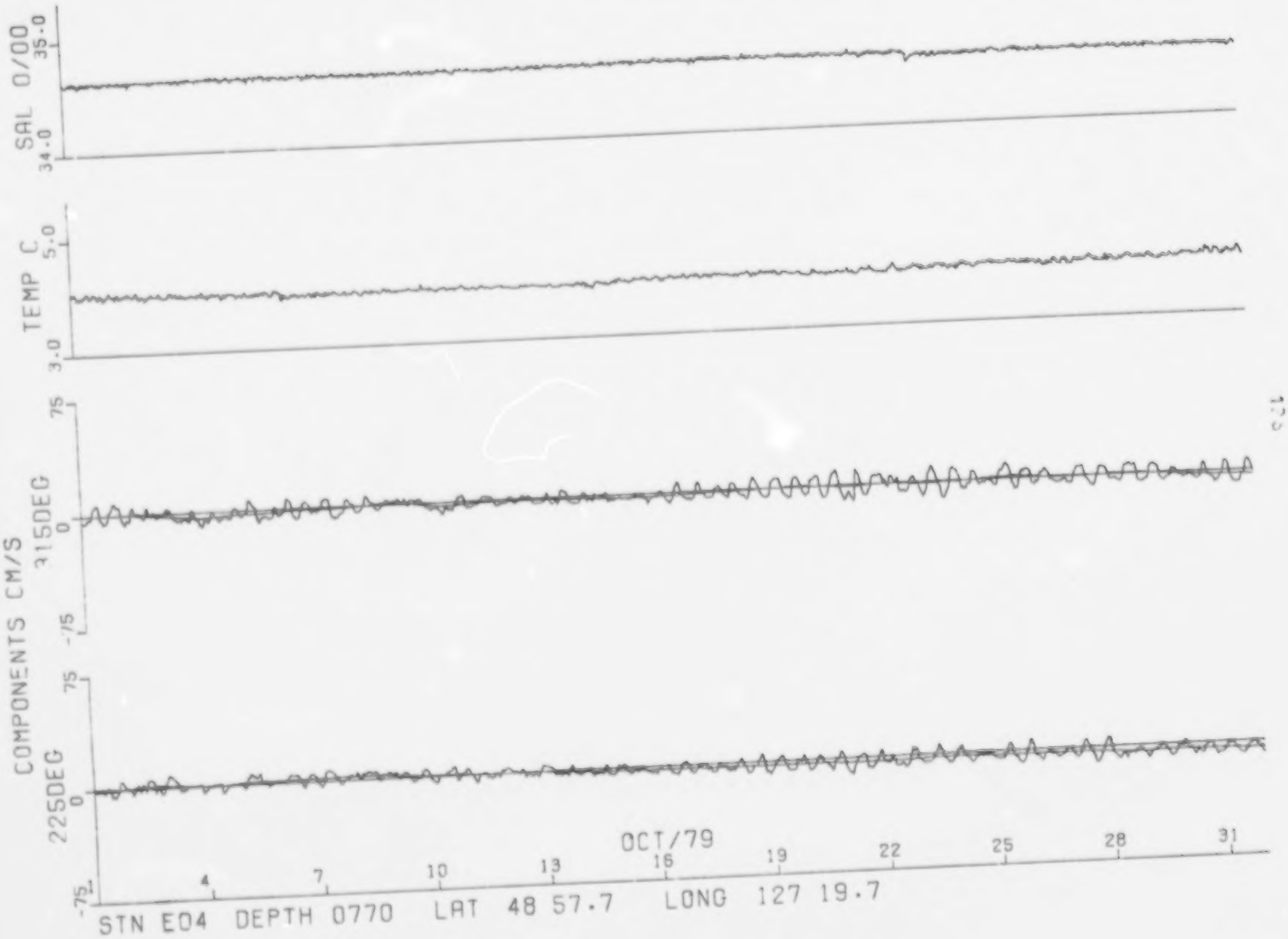
☑ODD NUMBERED DAYS
⏱EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0570M	8600	265/79	118

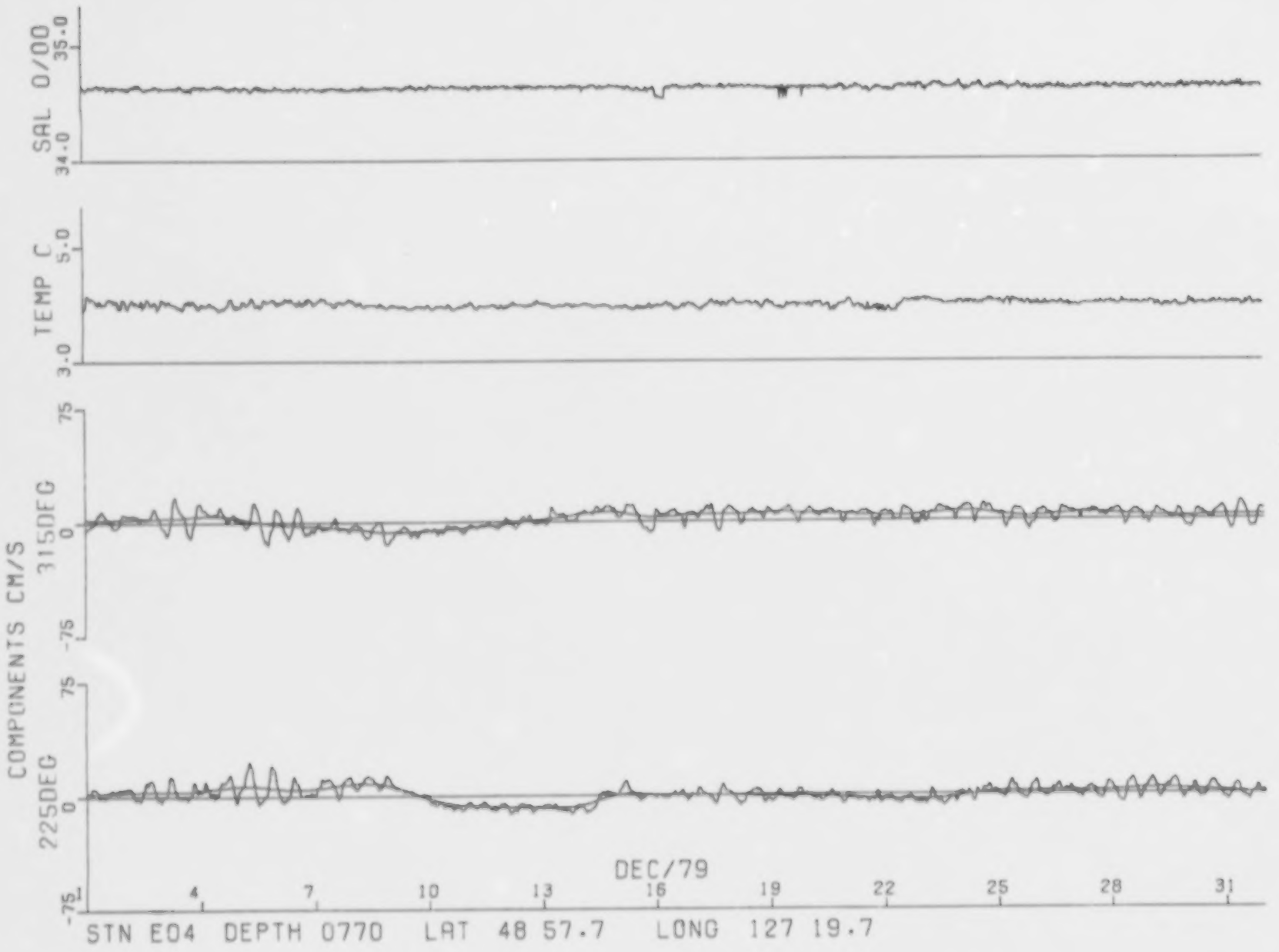
SCALE 100 KM

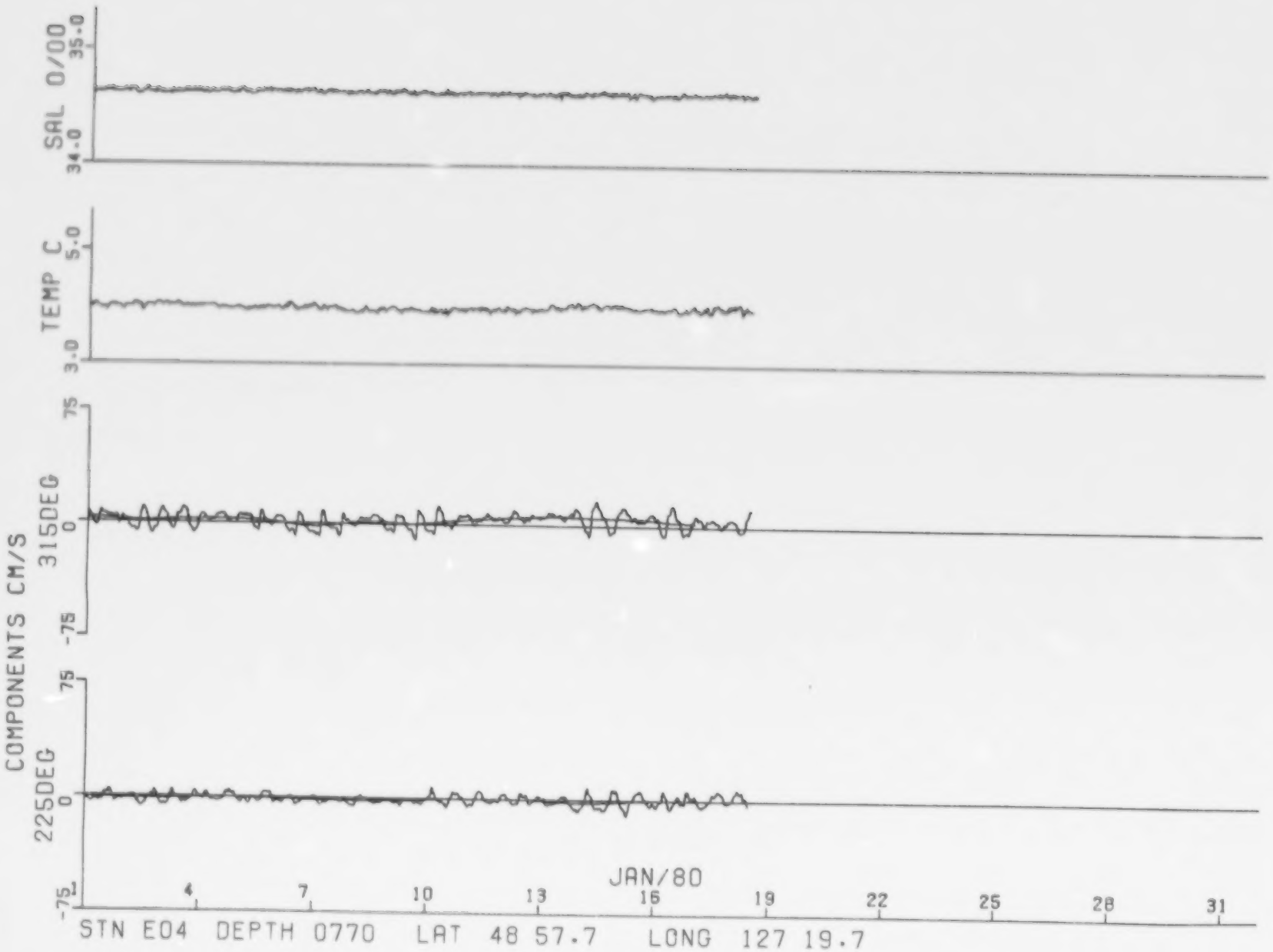

STATION E04
DEPTH 570 METRES
START OF RECORD 22/ 9/1979
DURATION 118 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E04 DEPTH 0770 LAT 48 57.7 LONG 127 19.7
SEP/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0770 LAT 48 57.7 LONG 127 19.7

STN E04 DEPTH 0770 LAT 48 57.7 LONG 127 19.7
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0770 LAT 48 57.7 LONG 127 19.7


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0770 LAT 48 57.7 LONG 127 19.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0770 ESTEVAN POINT 48 57.7 N 127 19.7 W Length of record=118 Days
Start of record 0 mn 22 hr 22 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	043	052	005																							100
10- 19	029	055	023																							107
20- 29	047	051	006																							104
30- 39	031	032	003																							66
40- 49	040	053	012																							105
50- 59	073	078	010																							161
60- 69	078	115	011																							204
70- 79	063	109	007																							179
80- 89	043	056	006																							105
90- 99	069	068	010																							147
100-109	088	048	005																							141
110-119	082	043	006																							131
120-129	126	105	007																							238
130-139	158	131	009																							298
140-149	099	110	006																							215
150-159	038	037	003																							78
160-169	025	031	007	001																						64
170-179	026	031	007	007																						71
180-189	028	032	007	008																						67
190-199	020	032	017	001																						70
200-209	041	071	025		002																					139
210-219	033	049	004	006	001																					93
220-229	023	037	010	002	002																					74
230-239	024	034	021	001																						80
240-249	042	068	051	001																						154
250-259	050	096	026																							172
260-269	047	082	027	001																						157
270-279	034	076	016	001																						127
280-289	050	093	016																							159
290-299	047	110	022																							179
300-309	054	120	030	002																						206
310-319	068	176	019	003																						266
320-329	070	168	023	001																						262
330-339	116	293	033																							442
340-349	086	171	023																							280
350-359	057	130	023																							210
	3035		35		0		0		0		0		0		0		0		0		0		0		0	5643
	2032		536		5		0		0		0		0		0		0		0		0		0		0	

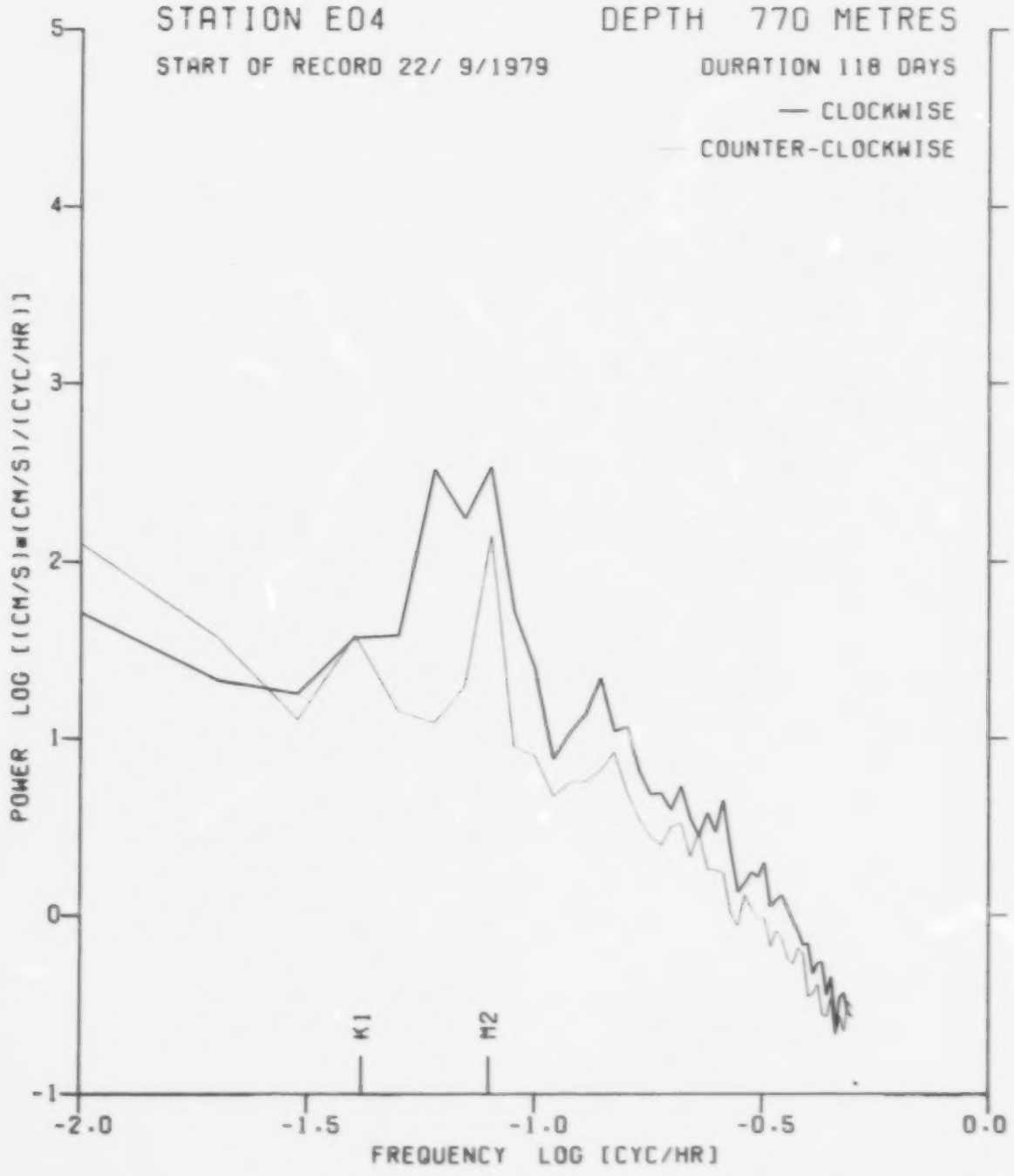
Number of zero rates: 0

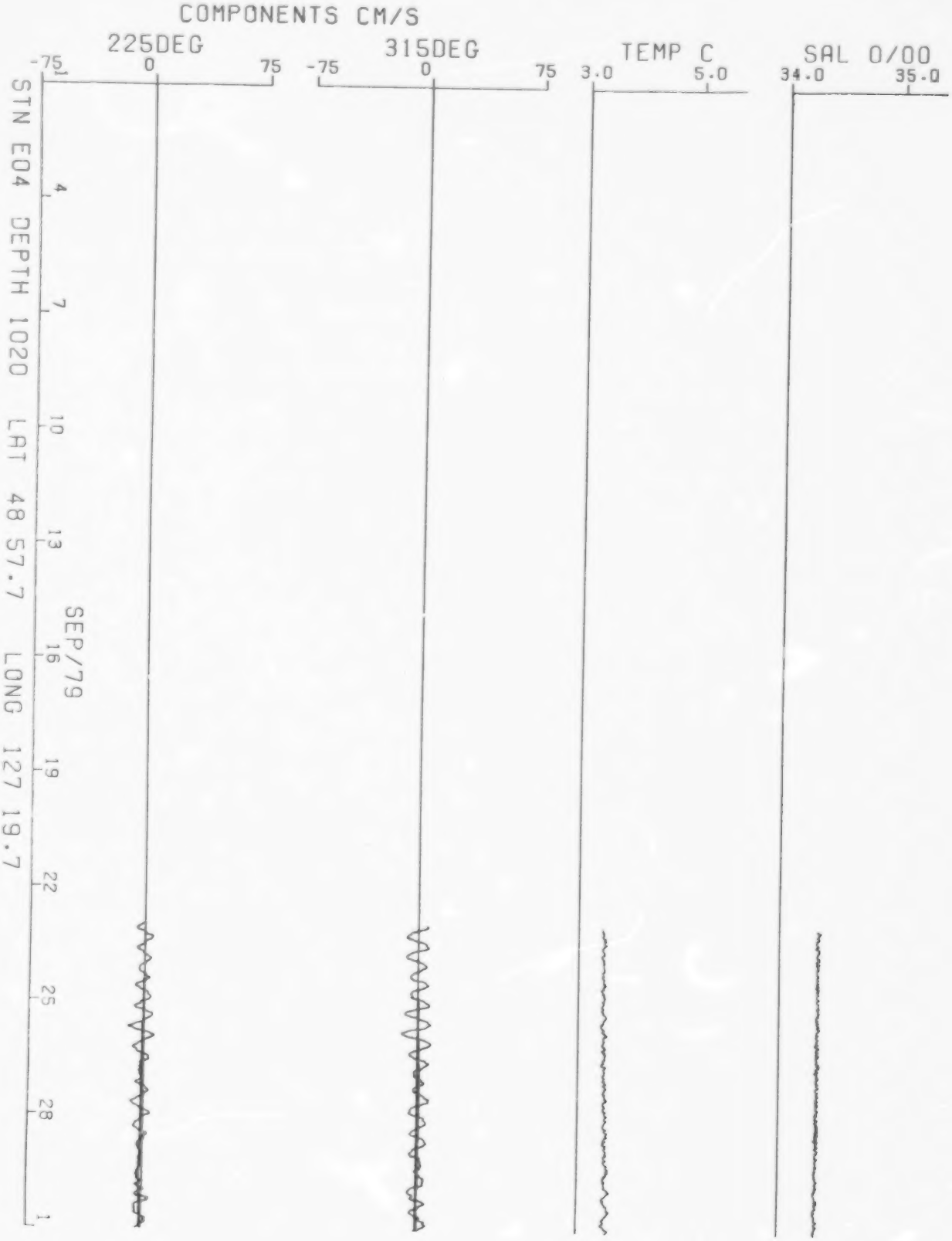
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0770M	8600	265/79	118

SCALE 50 KM

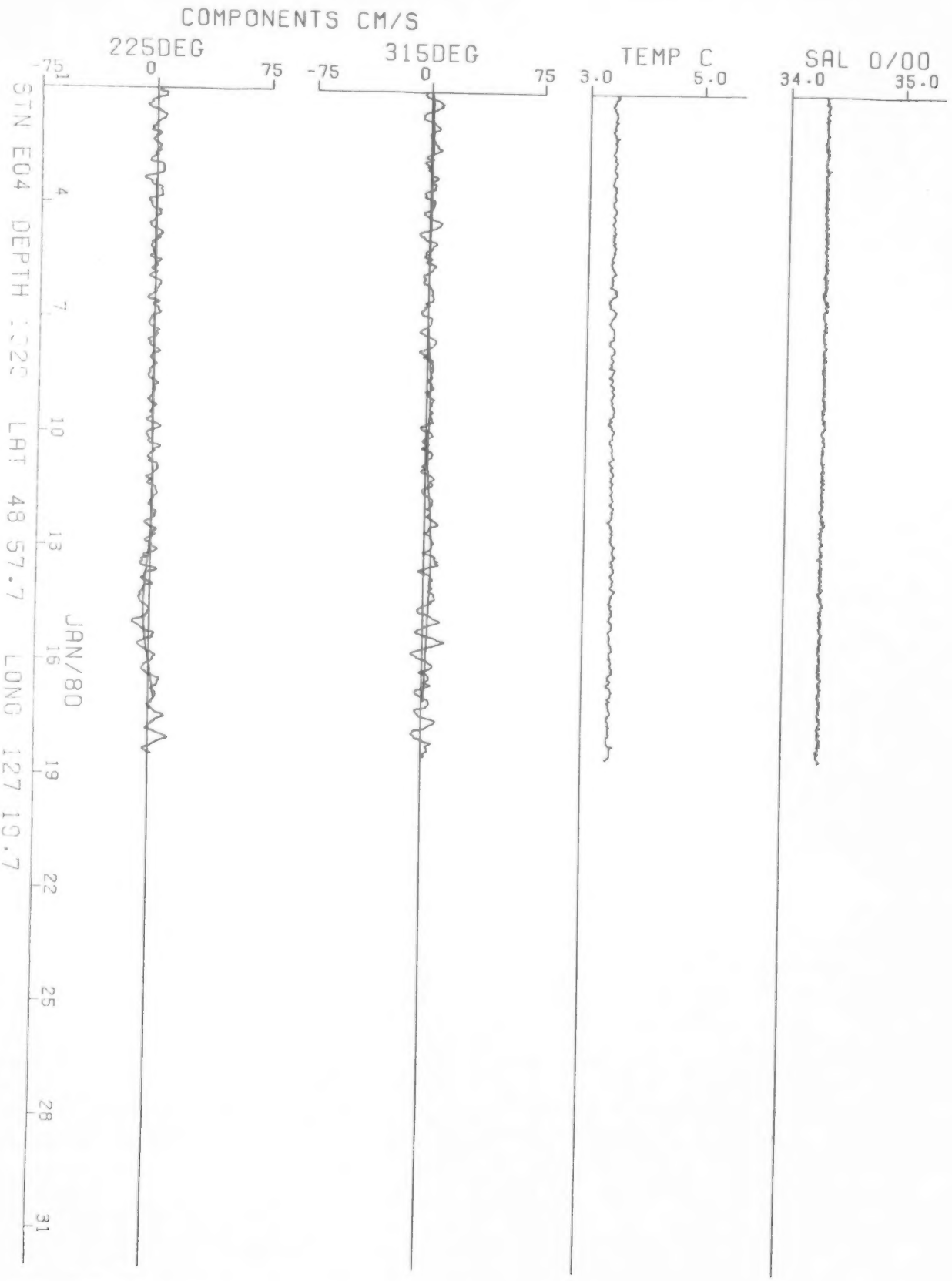

STATION E04
DEPTH 770 METRES
START OF RECORD 22/ 9/1979
DURATION 118 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN E04 DEPTH 1020 LAT 48 57.7 LONG 127 19.7
SEP/79
4
7
10
13
16
19
22
25
28
1

COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN EC4 DEPTH 1020 LAT 48 57.7 LONG 127 19.7
OCT/79
4
7
10
13
16
19
22
25
28
31

STN E04 DEPTH 1020 LAT 48 57.7 LONG 127 19.7
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
34.0
35.0

STN E04 DEPTH 1020 LAT 48 57.7 LONG 127 19.7
DEC/79
4
7
10
13
15
19
22
25
28
31
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
3.0
5.0
SAL O/OO
34.0
35.0


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN E04 DEPTH 1225 LAT 48 57.7 LONG 127 10.7
JAN/80
1
4
7
10
13
16
19
22
25
28
31

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 1020 ESTEVAN POINT 48 57.7 N 127 19.7 W Length of record=118 Days
Start of record 0 mn 23 hr 22 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	072	075	008	001																						156
10- 19	070	074	016	002																						162
20- 29	053	078	010																							141
30- 39	056	053	009	001																						119
40- 49	050	077	013	001																						141
50- 59	037	062	010																							109
60- 69	050	068	011																							129
70- 79	054	058	011	001																						124
80- 89	077	087	008	001																						173
90- 99	060	070	007	001																						138
100-109	054	069	009	002																						134
110-119	077	069	010	001																						157
120-129	060	065	008	003																						136
130-139	055	102	007	003																						167
140-149	063	074	006	003																						146
150-159	060	070	009	001	001																					141
160-169	059	078	013	003																						153
170-179	058	081	008	001																						148
180-189	058	051	009	004																						122
190-199	049	039	008	001	001																					98
200-209	055	050	006		001																					112
210-219	052	059	009		001																					121
220-229	049	069	015	003																						136
230-239	050	066	019	006																						141
240-249	054	073	015	002																						144
250-259	045	066	022	001																						134
260-269	065	070	018																							153
270-279	067	069	025	001																						162
280-289	069	095	031	005																						200
290-299	076	136	035																							247
300-309	066	135	031	003																						235
310-319	090	116	023	005																						234
320-329	073	141	016	001	001																					232
330-339	071	125	007		001																					204
340-349	071	117	010	001																						199
350-359	063	120	010																							193
	2907		58		0		0		0		0		0		0		0		0		0		0		0	5641
	2888		482		6		0		0		0		0		0		0		0		0		0		0	

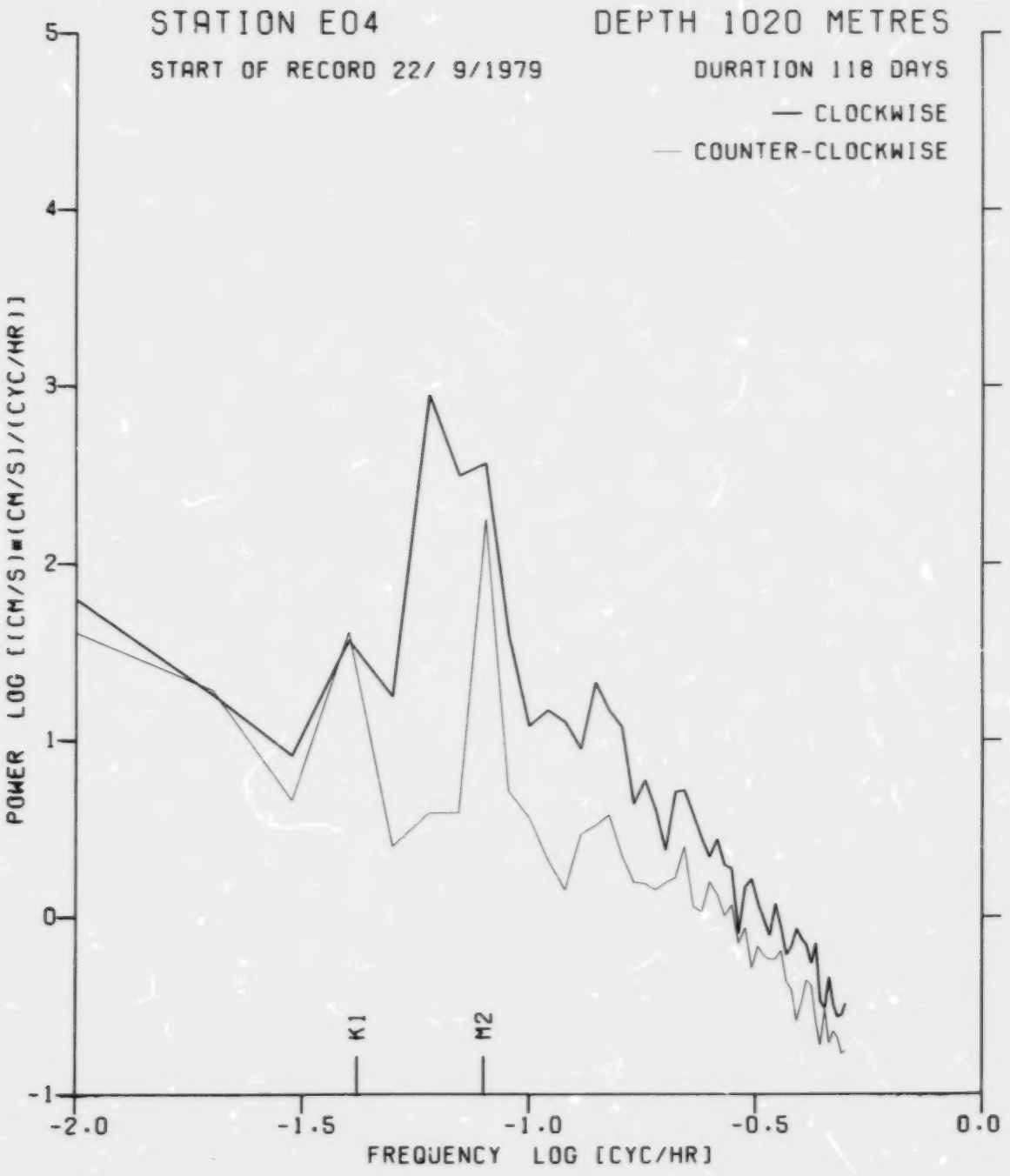
Number of zero rates: 0

ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	1020M	8600	265/79	118

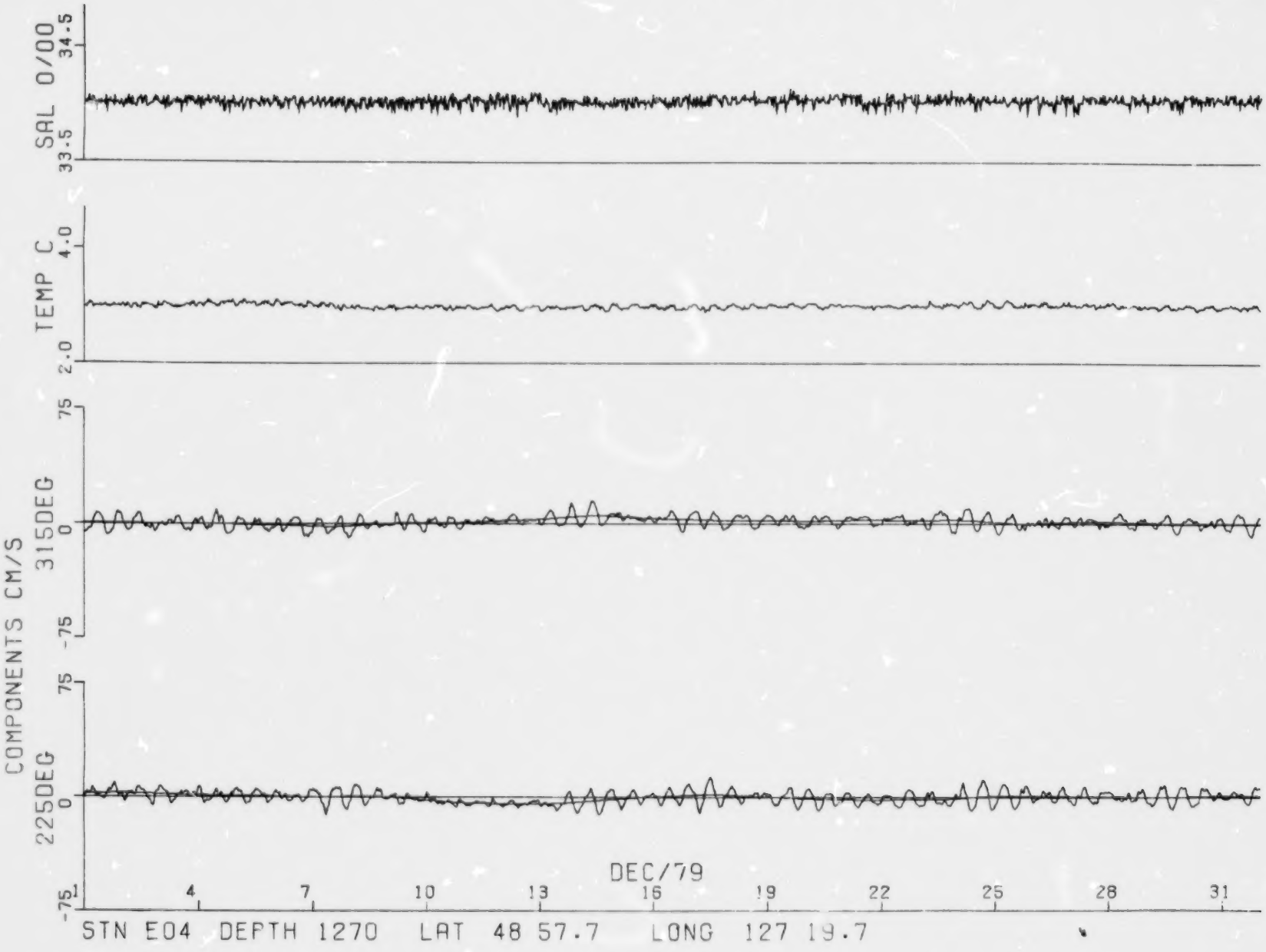
SCALE 50 KM

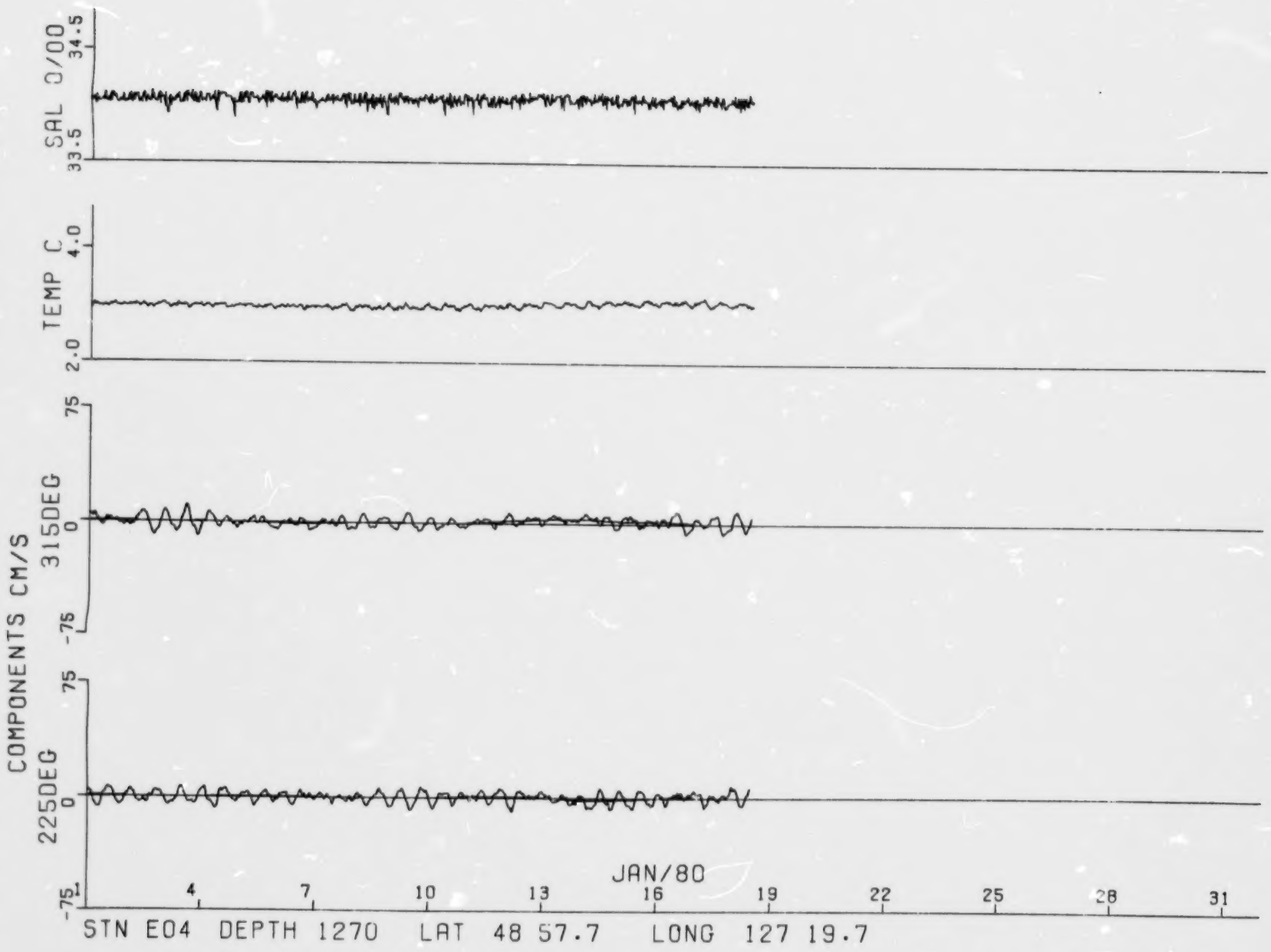

STATION E04
DEPTH 1020 METRES
START OF RECORD 22/ 9/1979
DURATION 118 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E04 DEPTH 1270 LAT 48 57.7 LONG 127 19.7
SEP/79
1
23
25
22
19
16
13
10
7
4
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
2.0
4.0
33.5
34.5

STN E04 DEPTH 1270 LAT 48 57.7 LONG 127 19.7
OCT/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
2.0
4.0
SAL 0/00
33.5
34.5

STN E04 DEPTH 1270 LAT 48 57.7 LONG 127 19.7
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
2.0
4.0
33.5
34.5


SAL O/OO
34.5
33.5
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1270 LAT 48 57.7 LONG 127 19.7


SAL 0/00
34.5
33.5
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1270 LAT 48 57.7 LONG 127 19.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 1270 ESTEVAN POINT 48 57.7 N 127 19.7 W Length of record=118 Days
Start of record 0 mn 22 hr 22 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	082	075	005																							162
10- 19	104	108	007																							219
20- 29	084	099	002																							185
30- 39	079	067	003																							149
40- 49	096	091	003																							190
50- 59	062	097	005																							164
60- 69	068	082	004																							154
70- 79	071	060	005																							136
80- 89	066	056	005																							127
90- 99	070	043	002																							115
100-109	090	053	002																							145
110-119	071	058	001																							130
120-129	084	041																								125
130-139	073	023																								96
140-149	071	033																								104
150-159	070	030																								100
160-169	067	043																								110
170-179	081	048																								129
180-189	071	031	001																							103
190-199	087	032	001																							120
200-209	086	038																								124
210-219	097	047																								144
220-229	090	056	001																							147
230-239	103	061	005																							169
240-249	087	090	007																							184
250-259	085	075	011	001																						172
260-269	079	080	007	001																						167
270-279	117	088	027		002																					234
280-289	095	110	029	004																						238
290-299	120	119	031	007																						277
300-309	115	111	040	001																						267
310-319	090	076	018	001																						185
320-329	070	057	009																							136
330-339	067	068	005																							140
340-349	081	054	007																							142
350-359	085	065	004																							154
	2365		15		0		0		0		0		0		0		0		0		0		0		0	5643
	3814		247		2		0		0		0		0		0		0		0		0		0		0	

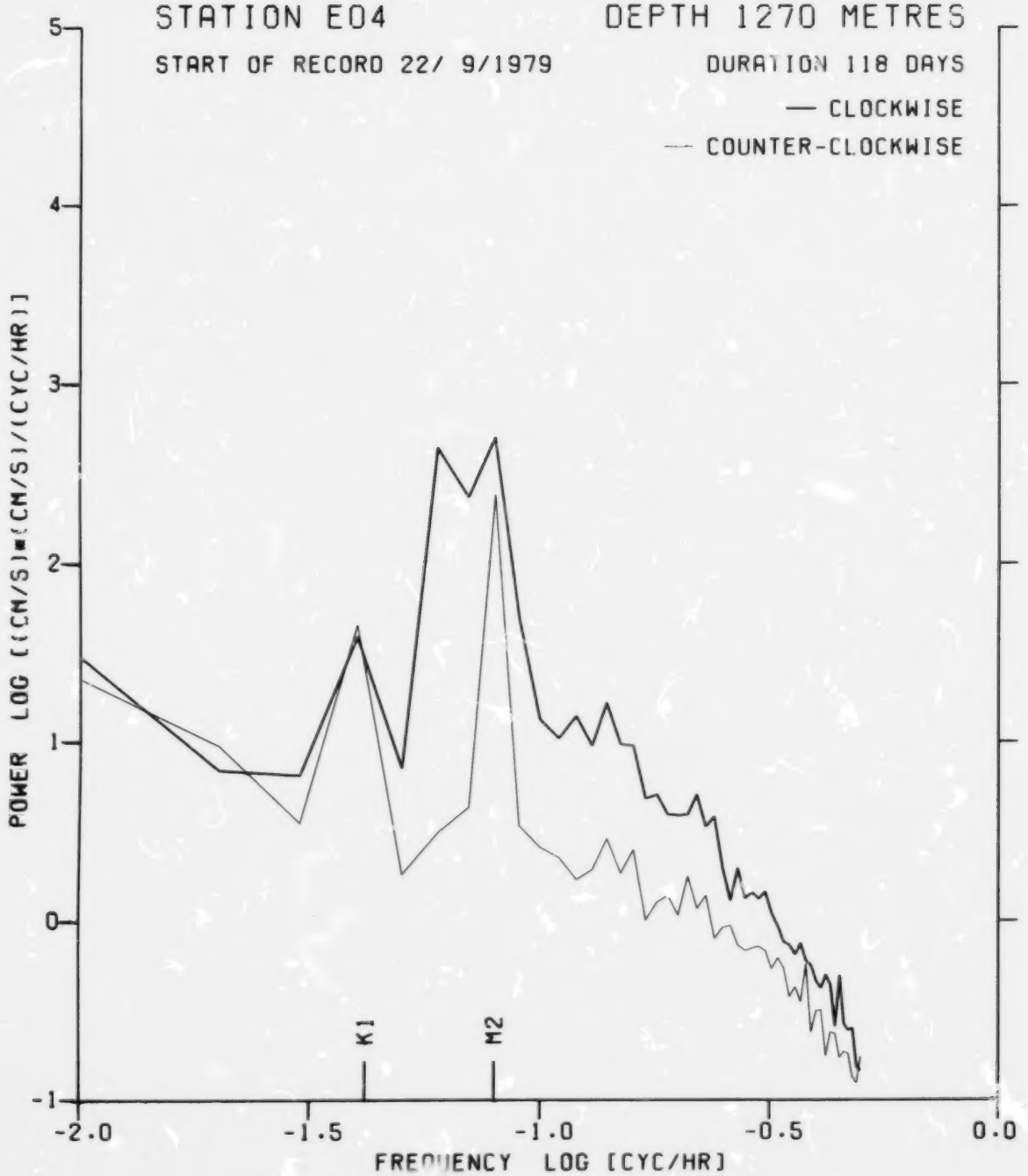
Number of zero rates: 0

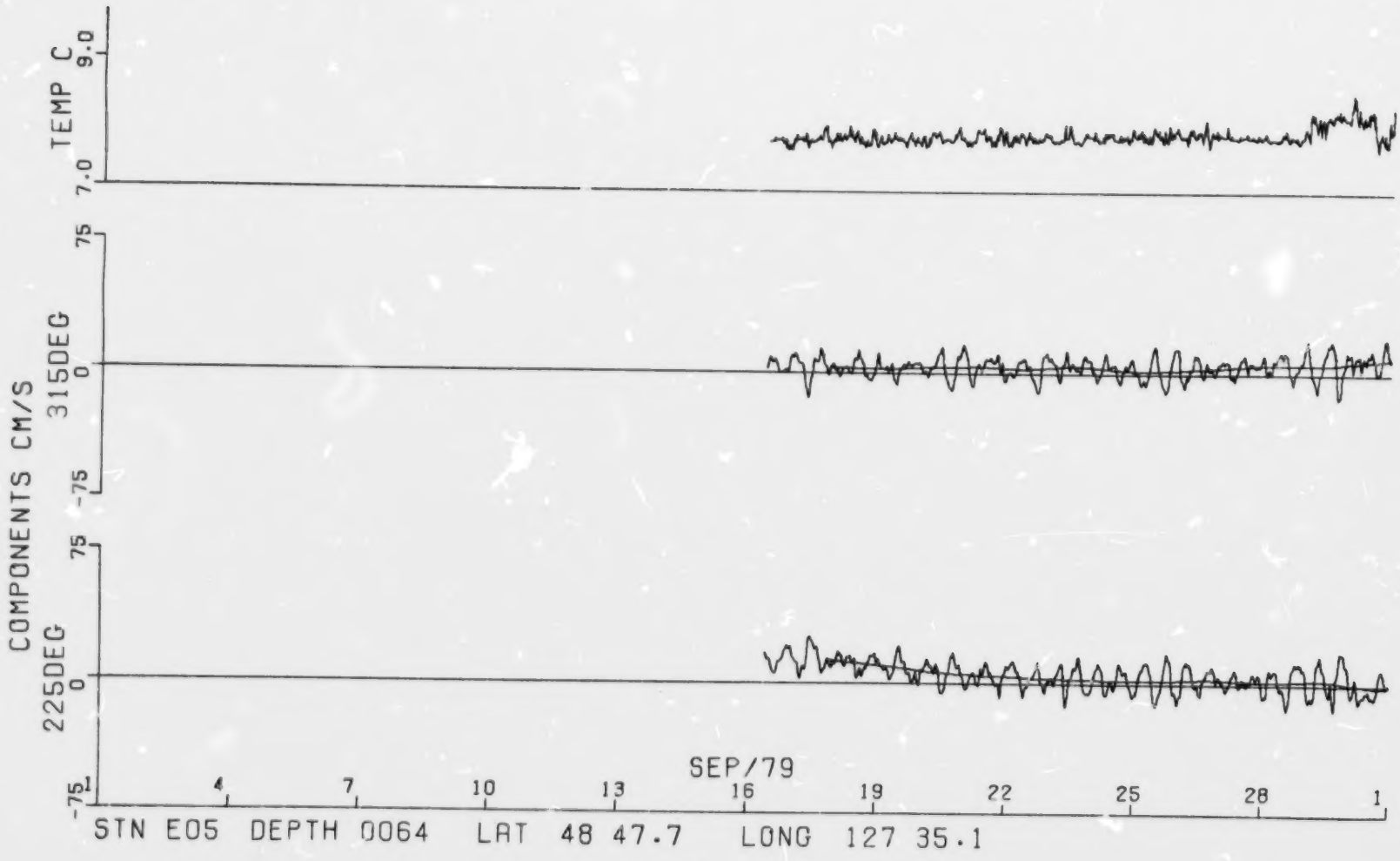
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

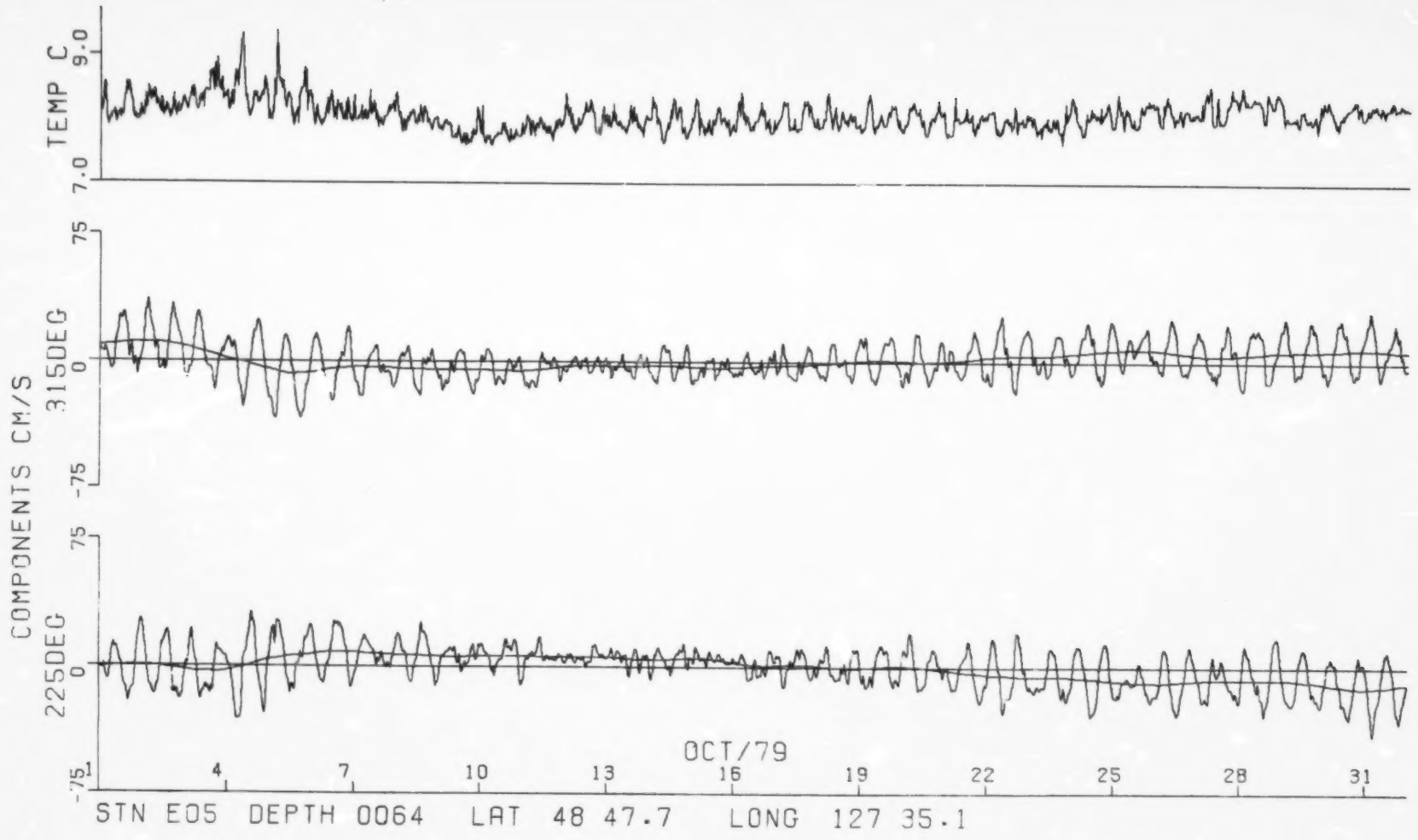
ⓞ ODD NUMBERED DAYS
ⓔ EVEN NUMBERED DAYS

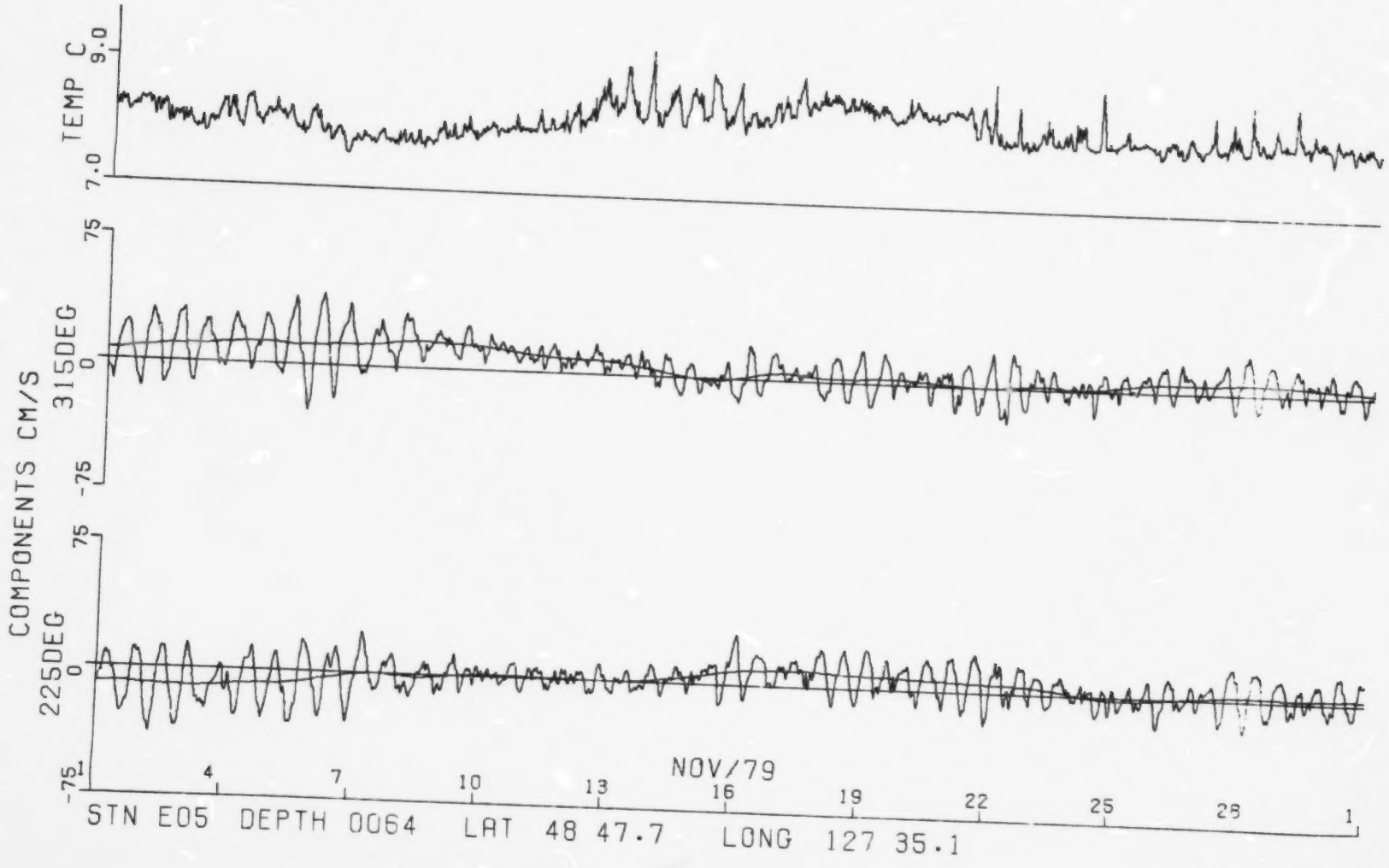
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	1270M	8600	265/79	118

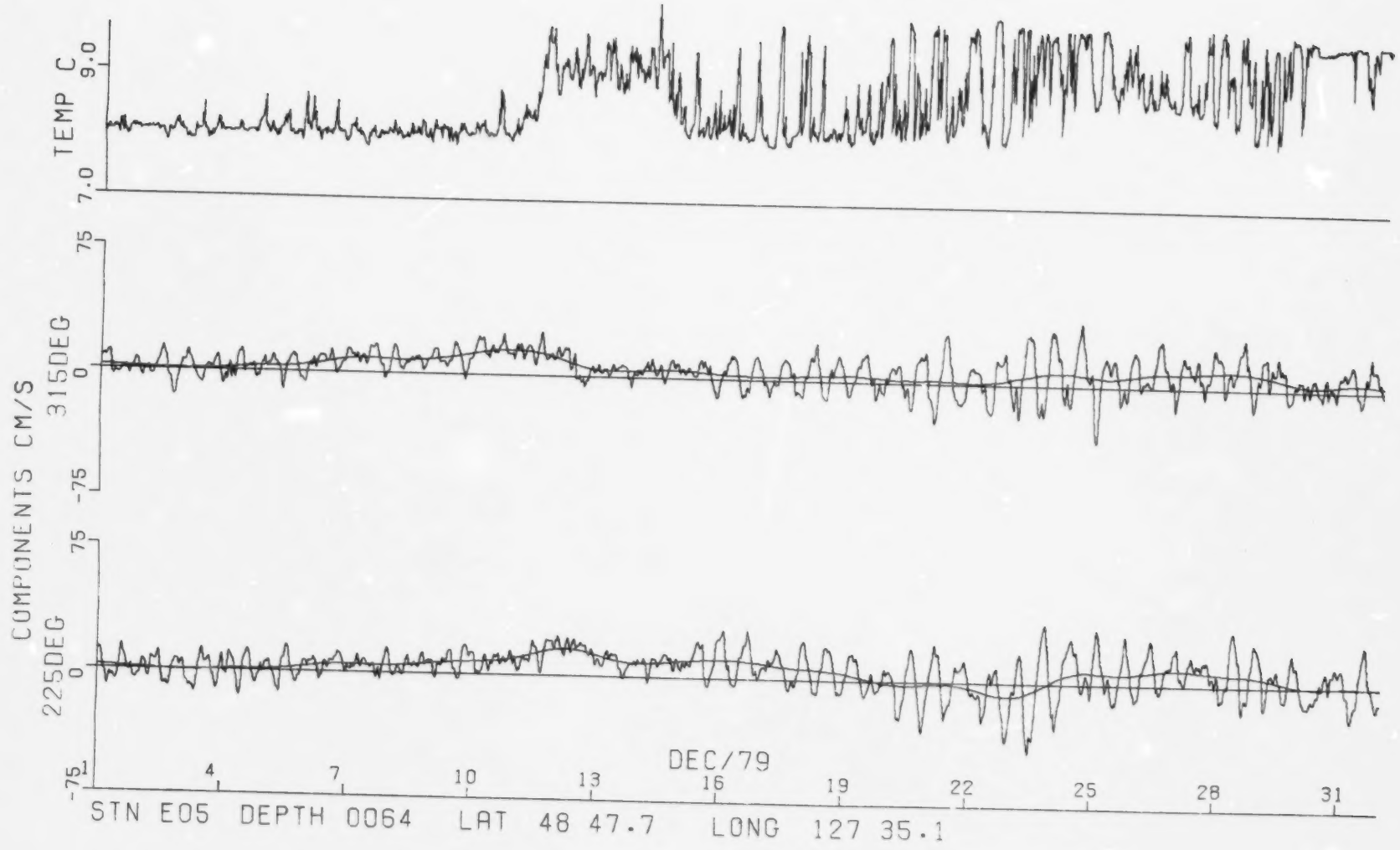
SCALE 50 KM


STATION E04
DEPTH 1270 METRES
START OF RECORD 22/ 9/1979
DURATION 118 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 0064 LAT 48 47.7 LONG 127 35.1


TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
OCT/79
STN E05 DEPTH 0064 LAT 48 47.7 LONG 127 35.1


TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
1
NOV/79
STN E05 DEPTH 0064 LAT 48 47.7 LONG 127 35.1


TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
DEC/79
STN E05 DEPTH 0064 LAT 48 47.7 LONG 127 35.1

TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
31
JAN/80
STN E05 DEPTH 0064 LAT 48 47.7 LONG 127 35.1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 0064 ESTEVAN POINT 48 47.7 N 127 35.1 W Length of record=124 Days
Start of record 0 mn 10 hr 16 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	010	032	035	024	022	019	003	003	002																	150
10- 19	008	029	036	021	021	012	012	005	001	002																147
20- 29	011	027	033	016	013	009	003	002	002																	116
30- 39	008	035	039	023	019	010	012	002																		148
40- 49	003	035	032	016	011	009	003	002																		111
50- 59	010	043	038	016	010	006	004	003																		130
60- 69	004	046	040	013	012	003	004																			122
70- 79	012	037	035	011	014	005	003																			117
80- 89	010	028	032	007	006	002		001																		86
90- 99	013	030	016	003	005	001	001																			69
100-109	007	017	013	010	002																					49
110-119	010	025	014	004	002	001																				56
120-129	006	023	014	007	001	002																				53
130-139	006	019	008	005	001	002	001																			42
140-149	009	034	031	011	002	001	005																			93
150-159	013	051	042	017	008	002		002																		135
160-169	011	060	048	014	012	003		002																		150
170-179	003	047	038	016	003	002	001	002	001																	113
180-189	011	048	027	016	007	003	001	001																		114
190-199	015	041	026	015	013	005	002																			117
200-209	013	050	033	020	013	003	002																			134
210-219	008	052	049	028	015	007																				159
220-229	013	065	061	046	025	008	002																			220
230-239	012	070	111	056	033	013	004	001																		300
240-249	012	076	102	051	025	012	004																			282
250-259	010	064	087	058	036	013	004	001																		273
260-269	011	068	077	048	024	006	003																			237
270-279	018	080	092	065	037	007	003	001																		303
280-289	006	077	084	070	044	014	002	002	001																	300
290-299	011	064	082	058	032	012	006	001																		266
300-309	005	055	093	066	033	017	004	004																		277
310-319	011	061	076	051	028	014	005	003	001																	250
320-329	013	057	059	049	020	019	006	001	003																	227
330-339	013	044	054	058	024	018	011	003																		225
340-349	010	042	051	036	021	024	011	002																		197
350-359	010	040	047	027	019	023	007	006																		179
	1672		1052		387		50		2		0		0		0		0		0		0		0		0	5747
	356	1755		613		129		11		0		0		0		0		0		0		0		0		

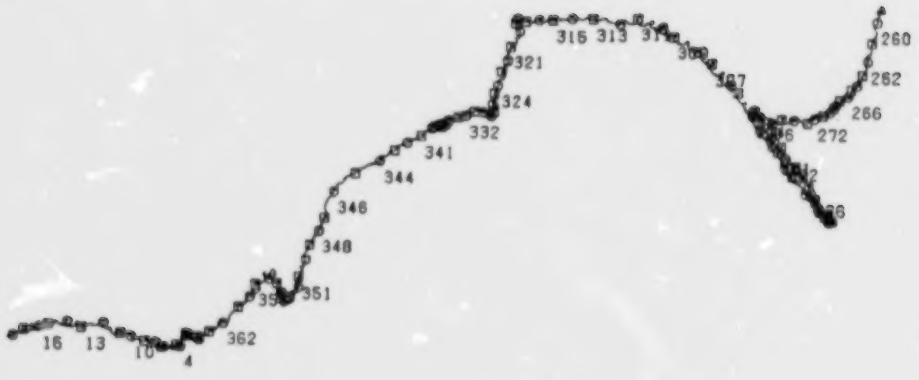
Number of zero rates: 0

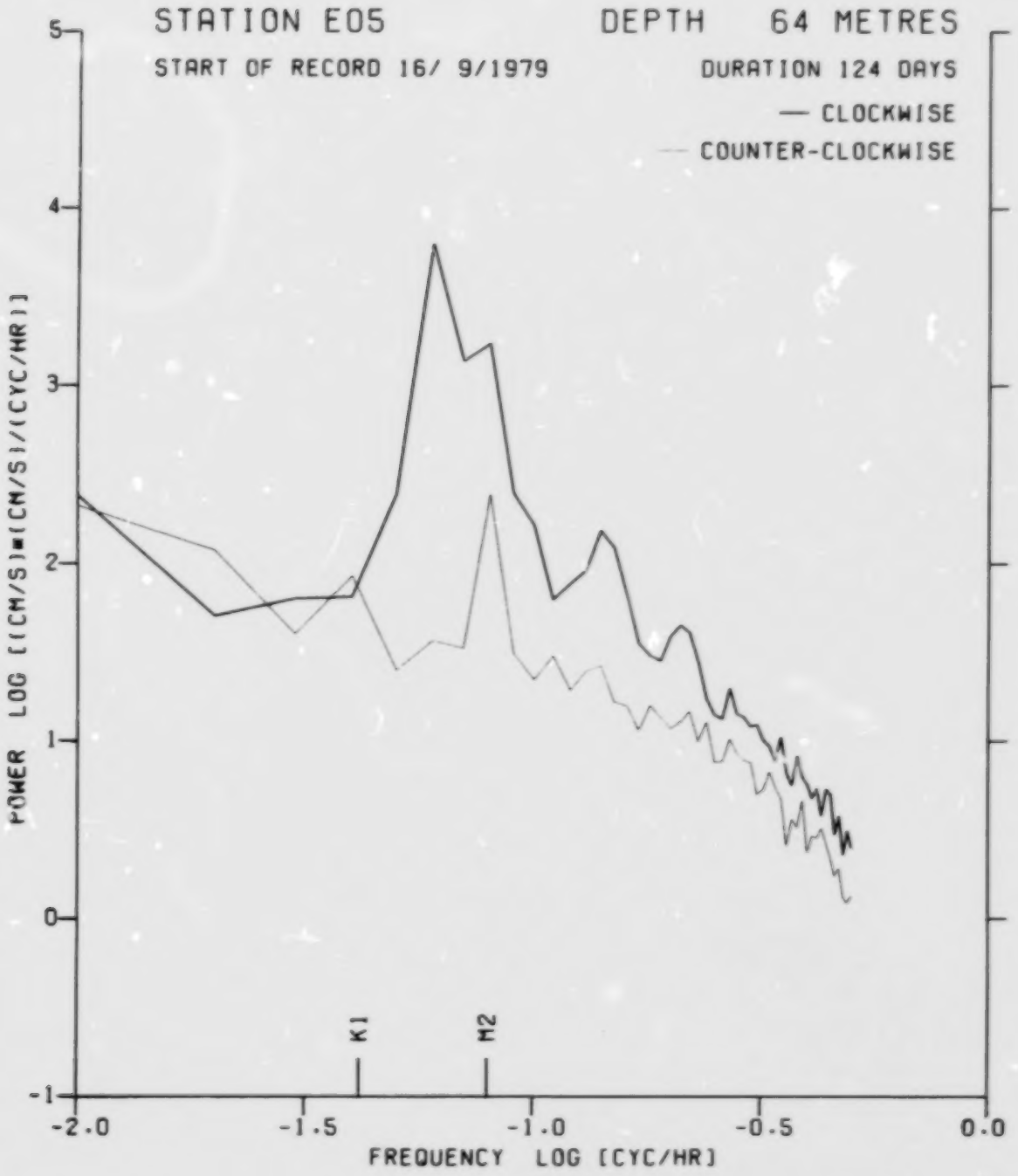
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

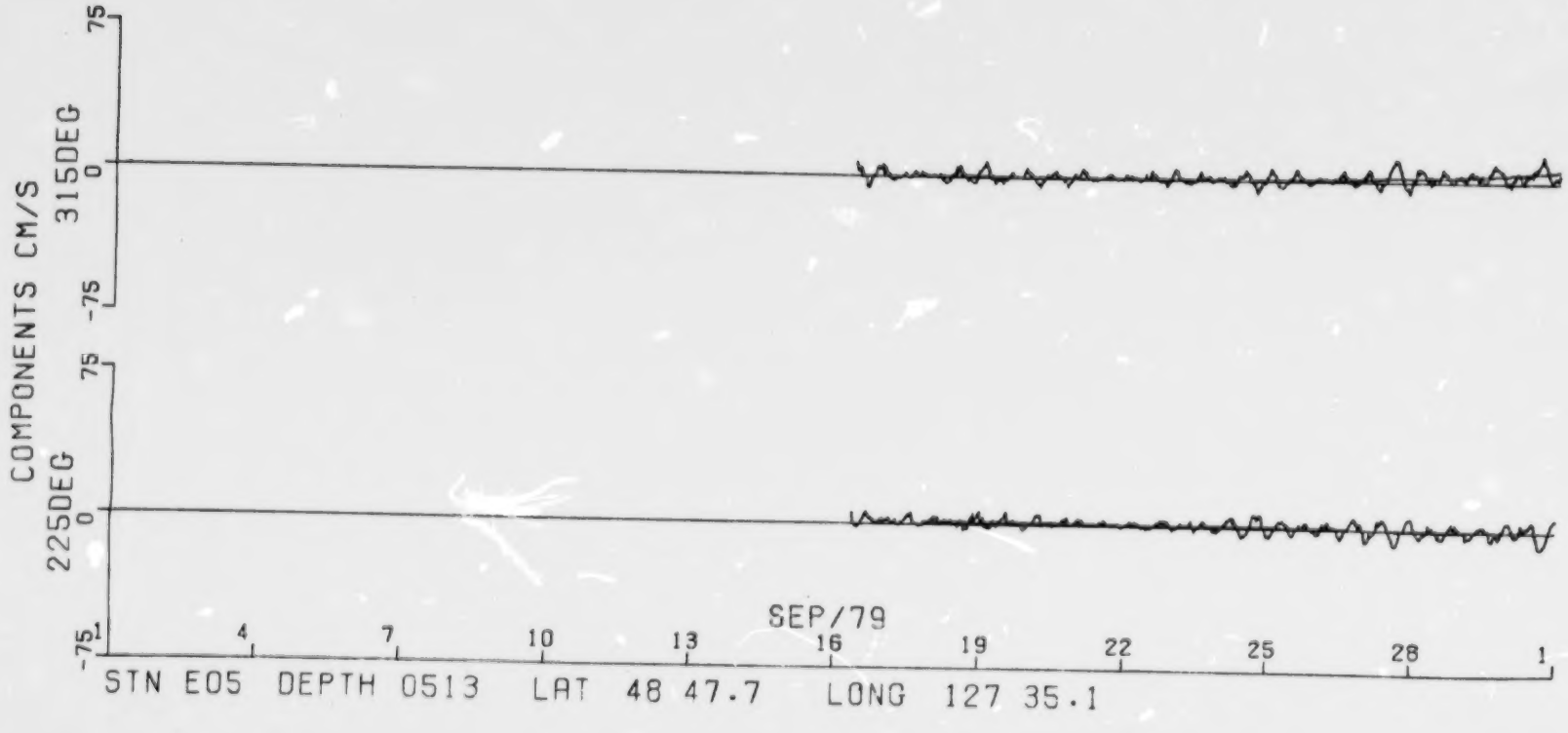
☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

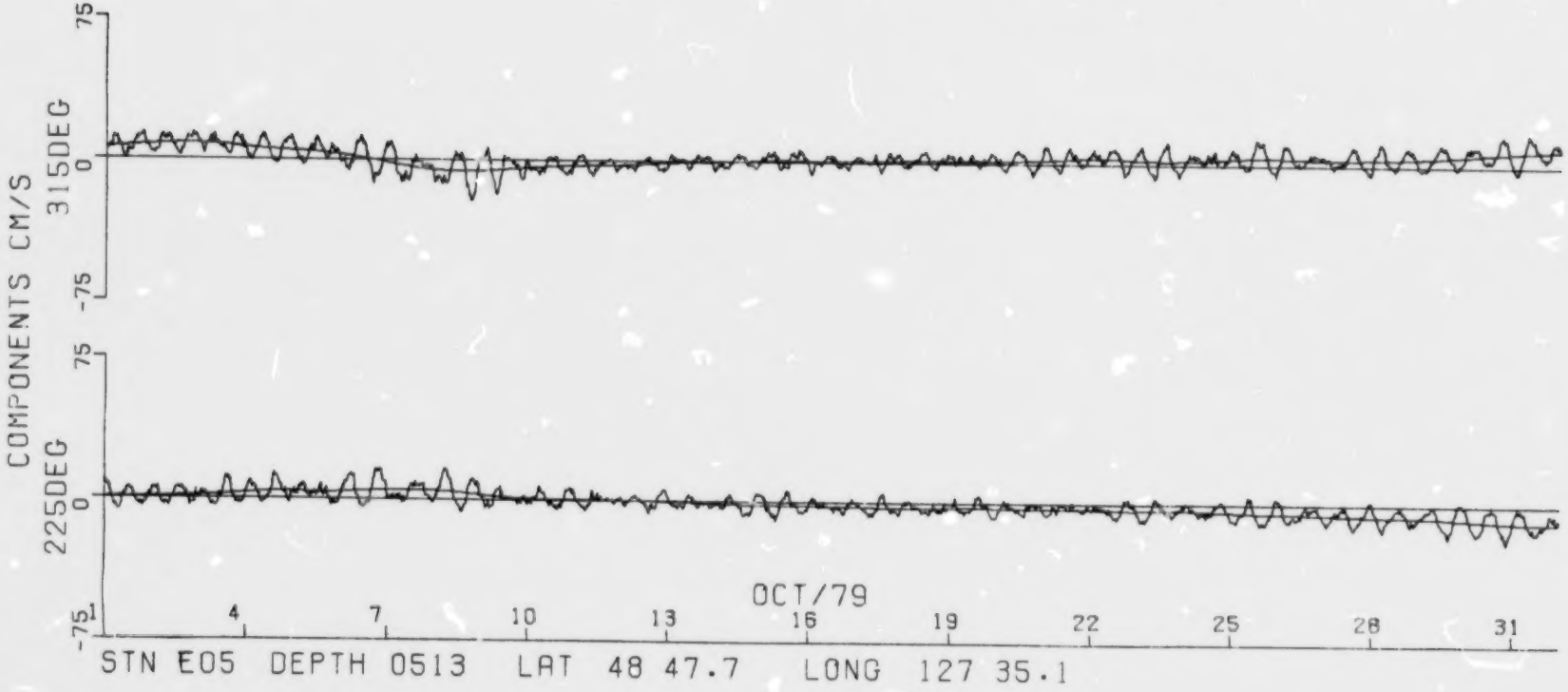
STN	DEPTH	AREA	DAY/YR	NO DAYS
EDS	0064M	8600	259/79	124

SCALE
100 KM

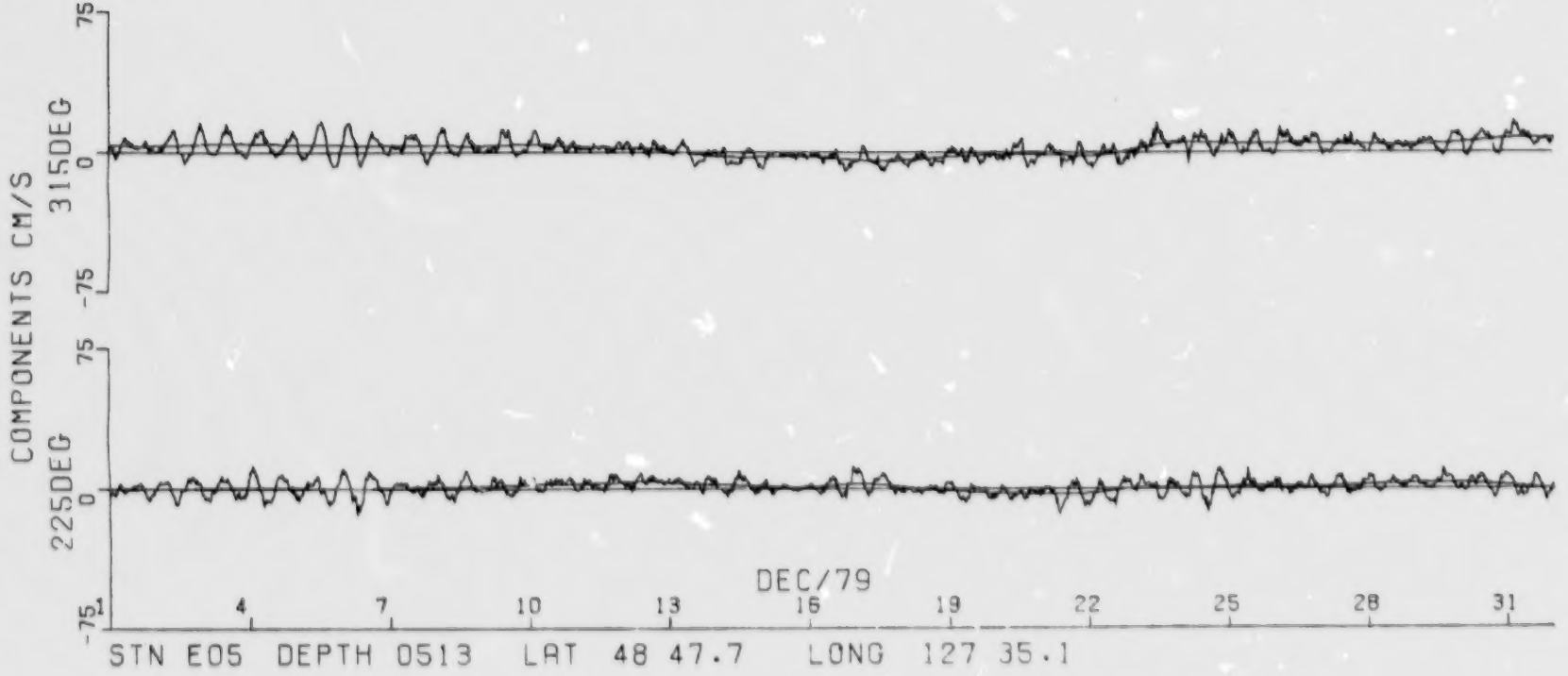



STATION E05
DEPTH 64 METRES
START OF RECORD 16/ 9/1979
DURATION 124 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
1
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 0513 LAT 48 47.7 LONG 127 35.1


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
OCT/79
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0513 LAT 48 47.7 LONG 127 35.1

STN E05 DEPTH 0513 LAT 48 47.7 LONG 127 35.1
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0513 LAT 48 47.7 LONG 127 35.1

STN E05 DEPTH 0513 LAT 48 47.7 LONG 127 35.1
JAN/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 0513 ESTEVAN POINT 48 47.7 N 127 35.1 W Length of record=118 Days
Start of record 00 mn 9 hr 16 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	090	074	035	042	018																					259
10- 19	069	058	036	027	002																					192
20- 29	065	068	025	005																						163
30- 39	060	064	007	003																						134
40- 49	057	047	008																							112
50- 59	046	028	003																							77
60- 69	044	034																								78
70- 79	051	015	002																							68
80- 89	045	019	001																							65
90- 99	040	017	001																							58
100-109	052	017	001																							70
110-119	048	027	001																							76
120-129	034	021	008	001																						64
130-139	028	030	003																							61
140-149	053	018	002	003																						76
150-159	044	031	001	003	002																					81
160-169	038	028	006	001	002																					75
170-179	041	034	008	002																						85
180-189	055	030	013	003	001																					102
190-199	070	030	014	006																						126
200-209	050	036	009	001																						96
210-219	066	052	010	002																						130
220-229	058	038	009																							105
230-239	075	051	010																							136
240-249	097	067	008																							172
250-259	084	078	012	001																						175
260-269	095	064	015	001																						175
270-279	079	082	034	010	001																					206
280-289	090	095	057	008	005																					255
290-299	094	103	060	020	004	002																				283
300-309	100	087	049	012	018	003																				269
310-319	101	127	042	011	009	009																				299
320-329	089	119	071	009	005	002																				295
330-339	092	147	075	020	005	004	002	001																		346
340-349	089	142	047	016	012	007		002																		315
350-359	095	112	048	042	022	003	003																			325
	2096		249		30		3		0		0		0		0		0		0		0		0		0	5604
	2384		731		106		5		0		0		0		0		0		0		0		0		0	

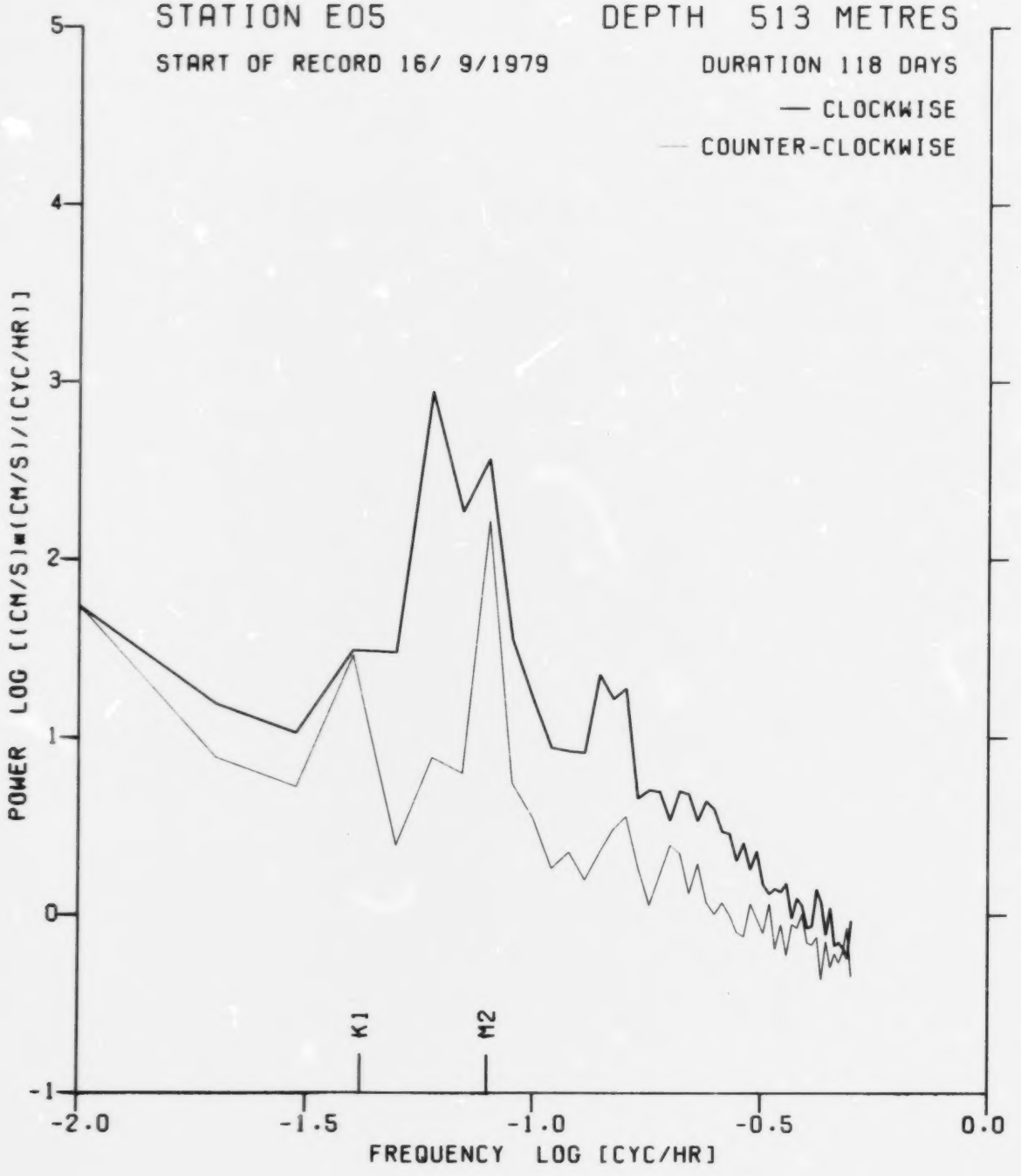
Number of zero rates: 59

ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

☑ODD NUMBERED DAYS
ⓉEVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
EOS	0513M	8600	259/79	118

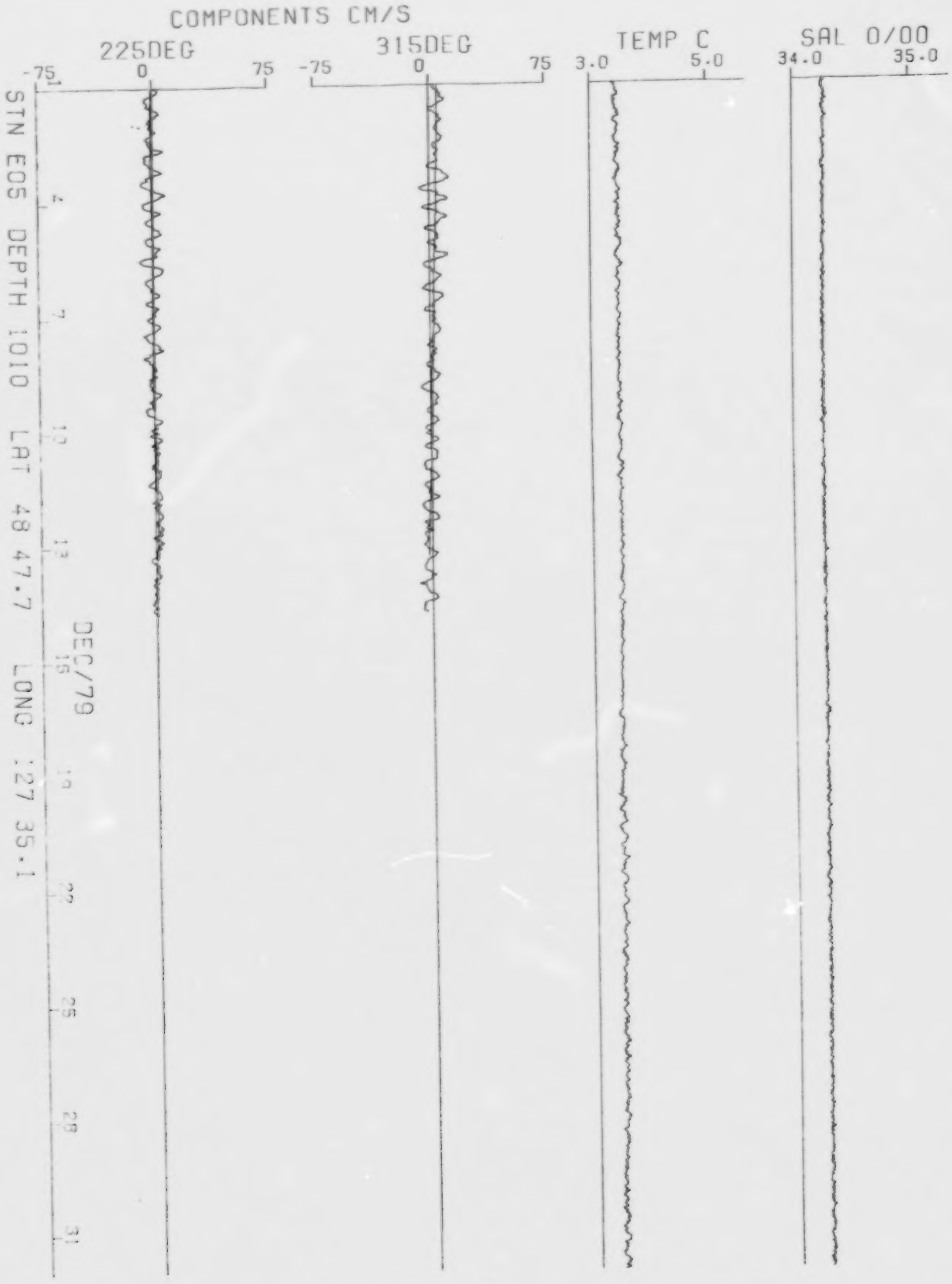
SCALE 100 KM

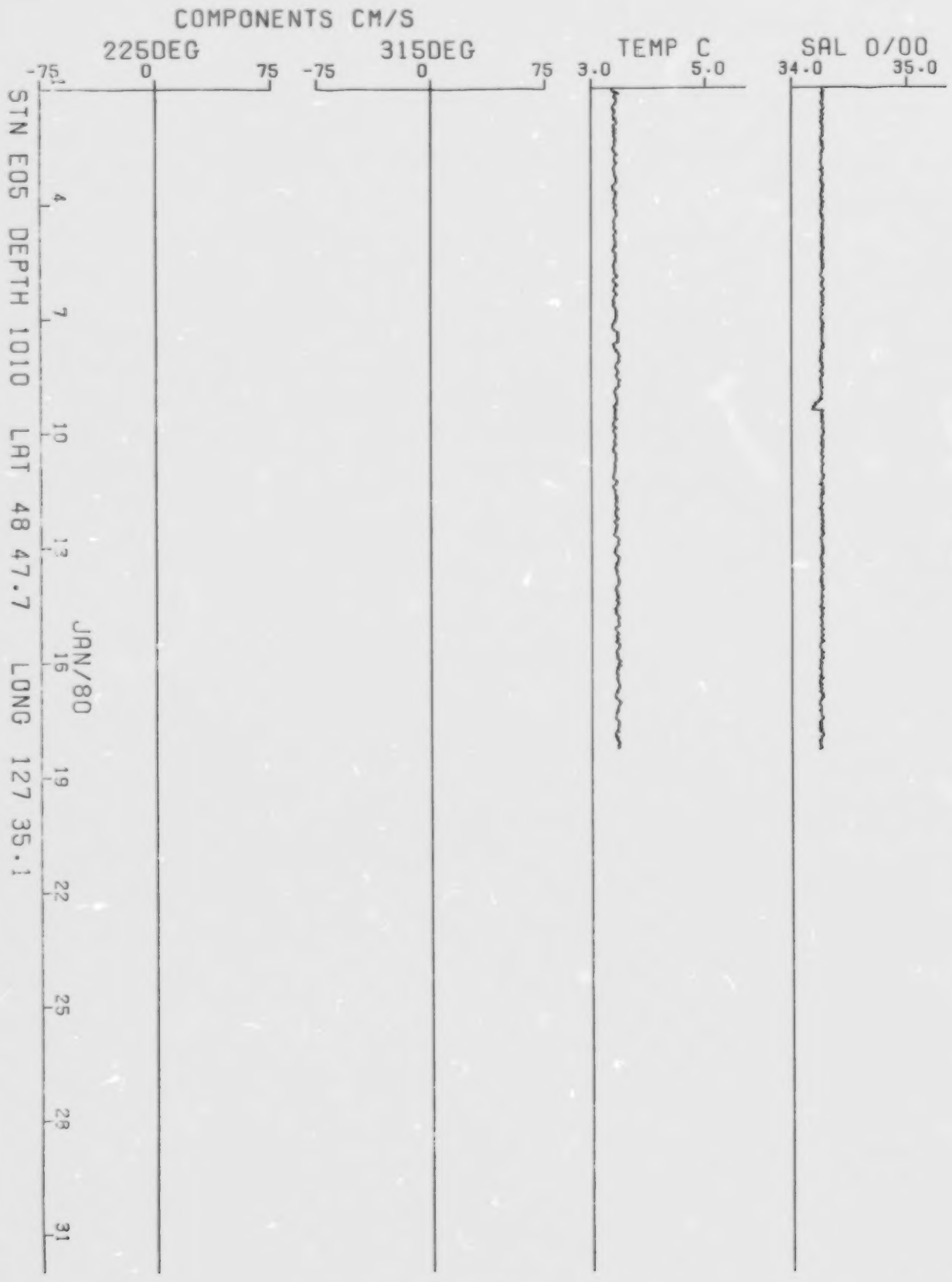

STATION E05
DEPTH 513 METRES
START OF RECORD 16/ 9/1979
DURATION 118 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E05 DEPTH 1010 LAT 48 47.7 LONG 127 35.1
SEP/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
3.0
5.0
SAL 0/00
34.0
35.0

STN E05 DEPTH 1010 LAT 48 47.7 LONG 127 35.1
OCT/79
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
34.0
35.0

COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN E05 DEPTH 1010 LAT 48 47.7 LONG 127 35.1
NOV/79
4
7
10
13
16
19
22
25
28
1


COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
3.0
5.0
SAL 0/00
34.0
35.0
STN EO5 DEPTH 1010 LAT 48 47.7 LONG 127 35.1
DEC/79
4
7
10
13
15
19
22
25
28
31


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN E05 DEPTH 1010 LAT 48 47.7 LONG 127 35.1
JAN/80
4
7
10
13
16
19
22
25
28
31

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 1010 ESTEVAN POINT 48 47.7 N 127 35.1 W Length of record .EQ. 89 Days
Start of record 00 mn 10 hr 16 dy 9 mo 79 yr PST Rate of obser. = 2 per Hour

DIR	001 to 004 cm/s	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	026	047	024	015	002	001																				115
10- 19	030	047	021	009	002	002																				111
20- 29	032	053	027	009	003																					124
30- 39	019	058	028	008																						113
40- 49	025	025	018	001																						69
50- 59	019	034	010	001																						64
60- 69	016	022	007	001																						46
70- 79	019	023	015																							57
80- 89	016	031	007	001																						55
90- 99	017	025	006	001																						49
100-109	022	020	005																							47
110-119	035	033	00'	002																						71
120-129	047	034		003																						84
130-139	023	041	001																							65
140-149	031	035	007	001																						74
150-159	032	040	009																							81
160-169	029	045	013																							87
170-179	028	023	021	004																						76
180-189	030	042	016	004																						92
190-199	031	039	018	002																						90
200-209	052	056	005																							113
210-219	037	050	009																							96
220-229	043	043	009																							95
230-239	057	070	009																							136
240-249	039	062	014																							115
250-259	066	067	017	001																						151
260-269	062	103	014	002																						181
270-279	049	097	015	005																						166
280-289	074	104	020	007																						205
290-299	051	139	018	009																						217
300-309	066	165	029	006	003	001																				270
310-319	054	126	028	008	003	001																				220
320-329	040	103	028	013	005	001																				190
330-339	056	124	029	005	006	001																				221
340-349	047	094	029	008	007	003																				188
350-359	041	066	038	005	003	001																				155
	1361	2186	905	132	34	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4209

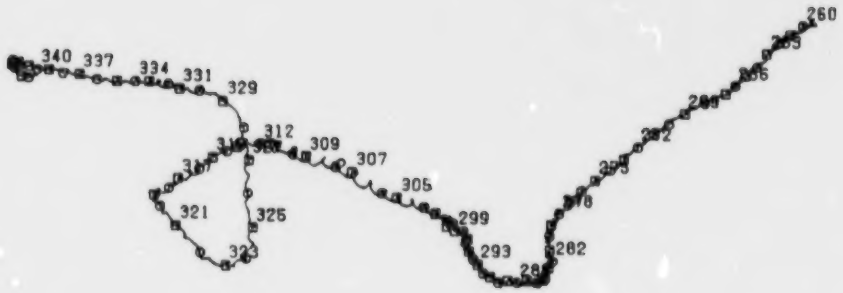
Number of zero rates: 1

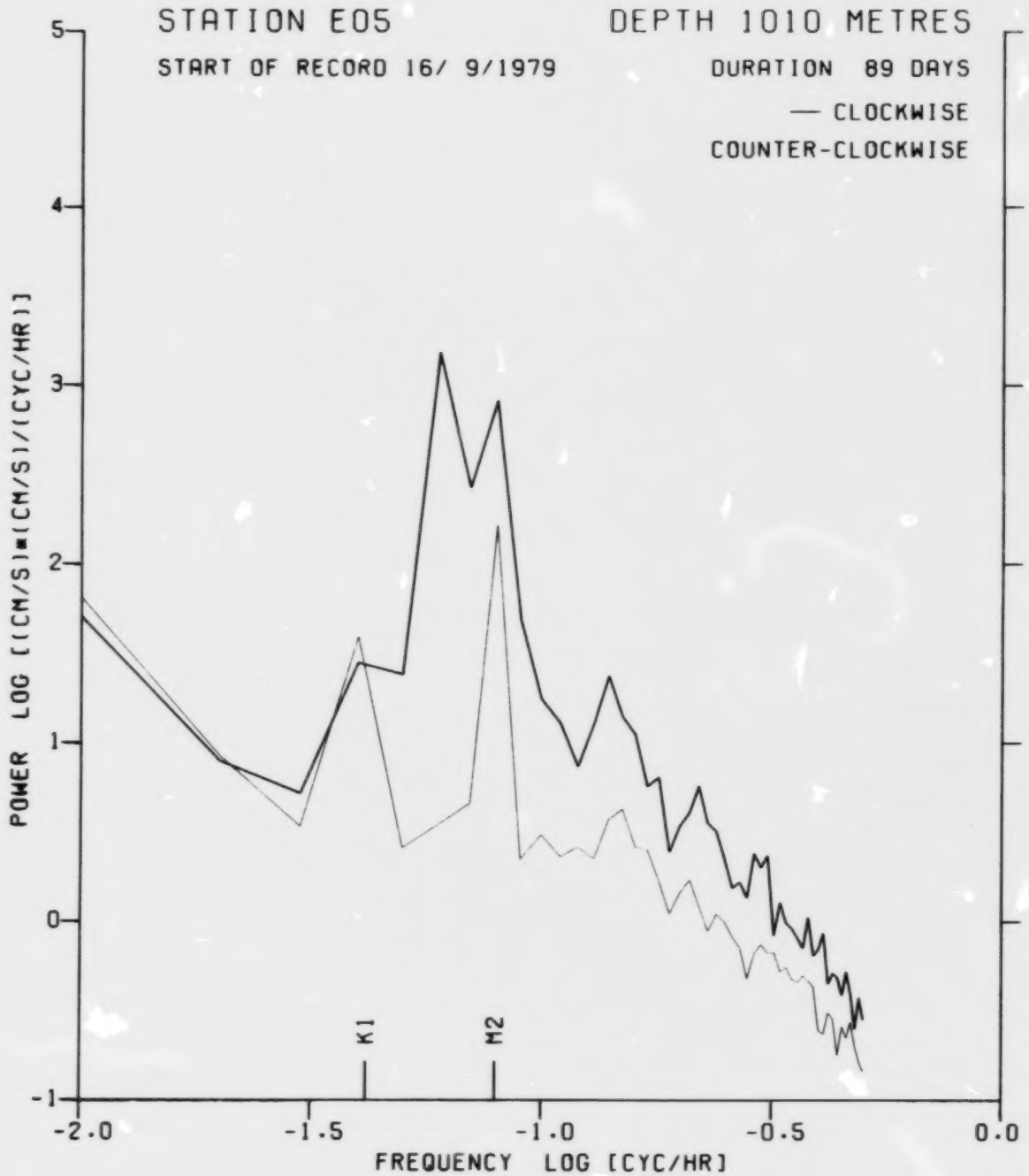
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

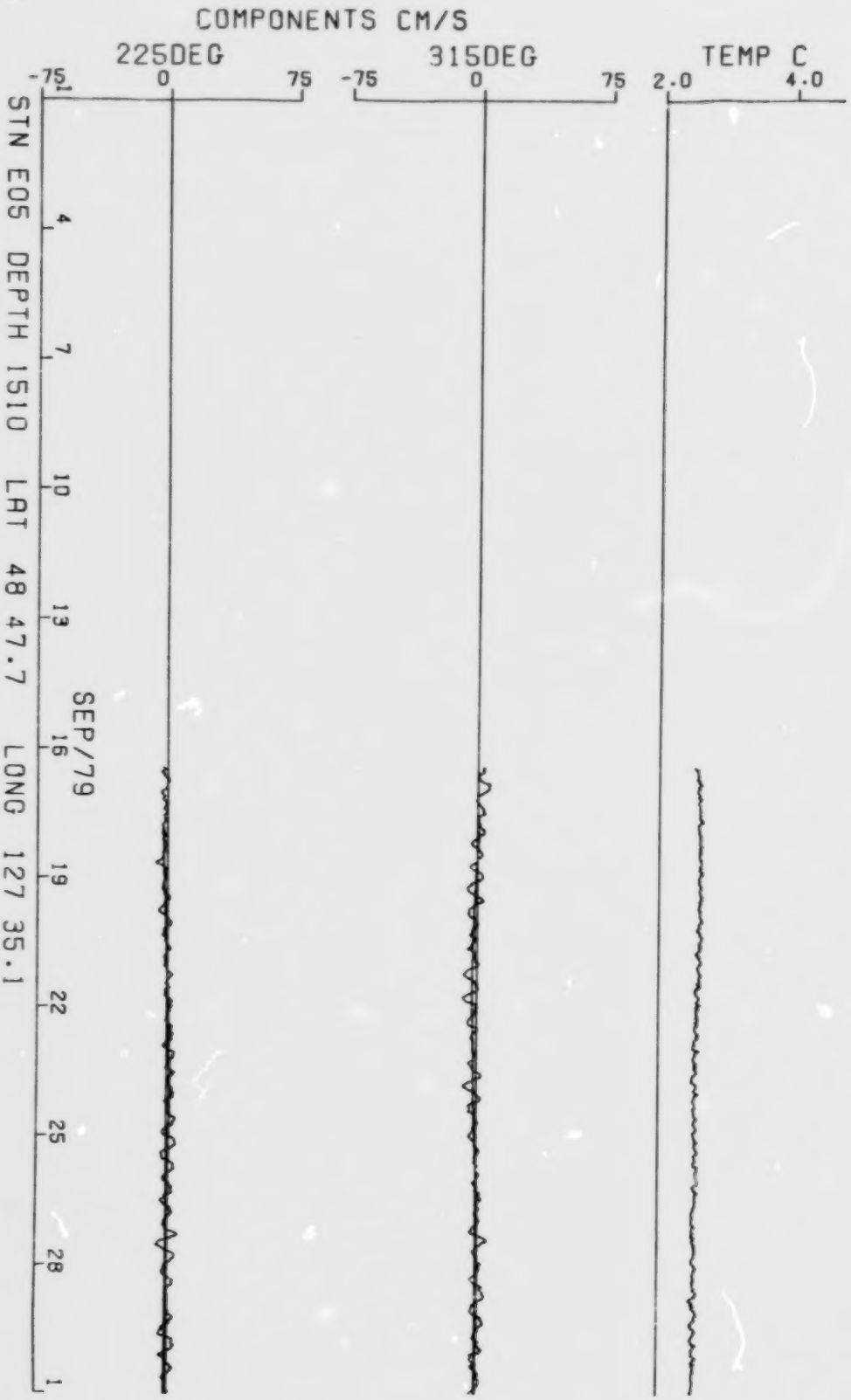
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
EOS	1010M	8600	259/78	89

SCALE 50 KM



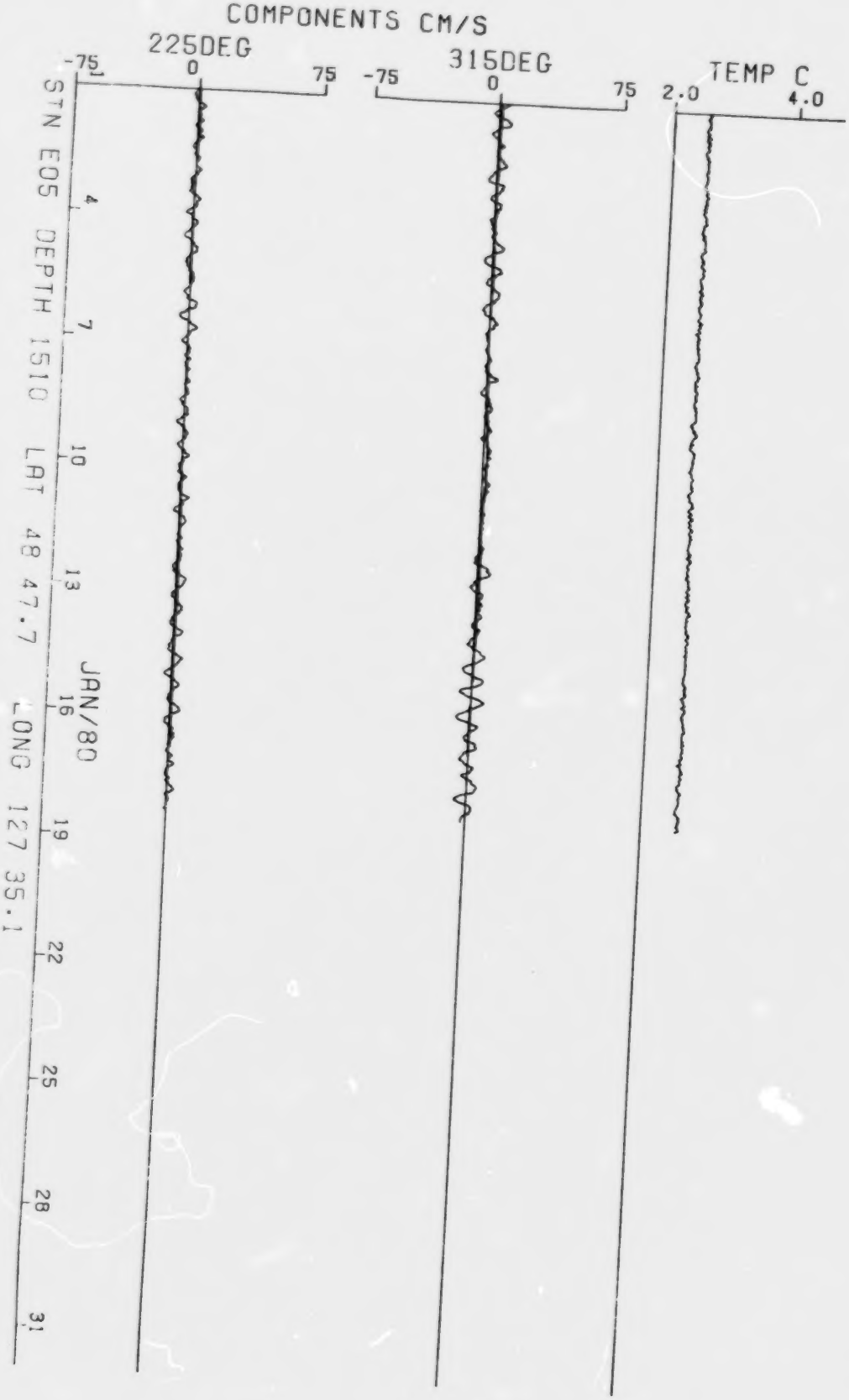

STATION E05
DEPTH 1010 METRES
START OF RECORD 16/ 9/1979
DURATION 89 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
2.0
4.0
STN E05 DEPTH 1510 LAT 48 47.7 LONG 127 35.1
SEP/79
4
7
10
13
16
19
22
25
28
1

STN E05 DEPTH 1510 LAT 48 47.7 LONG 127 35.1
OCT/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
-75
0
75
2.0
4.0

STN E05 DEPTH 1510 LAT 48 47.7 LONG 127 35.1
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
75
0
-75
2.0
4.0

STN EC5 DEPTH 1510 LAT 48 47.7 LONG 127 35.1
DEC/79
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
.75
0
-.75
2.0
4.0


COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
2.0
4.0
STN E05 DEPTH 1510 LAT 48 47.7 LONG 127 35.1
JAN/80
4
7
10
13
16
19
22
25
28
31

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 1510 ESTEVAN POINT 48 47.7 N 127 35.1 W Length of record=124 Days
Start of record 0 mn 10 hr 16 dy 9 mo 79 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	134	055	001																							190
10- 19	138	033	002																							173
20- 29	102	033	003																							138
30- 39	095	026																								121
40- 49	077	032																								109
50- 59	080	021																								101
60- 69	084	021																								105
70- 79	084	017																								101
80- 89	105	023																								128
90- 99	106	020																								126
100-109	104	030																								134
110-119	120	037																								157
120-129	110	045																								155
130-139	138	050	003																							191
140-149	129	049	002																							180
150-159	150	067	002																							219
160-169	109	042	003																							154
170-179	097	050	003																							150
180-189	114	030	002																							146
190-199	088	032																								120
200-209	097	023	003																							123
210-219	118	018	004																							140
220-229	093	016	004																							113
230-239	123	016	001																							142
240-249	117	029	002																							148
250-259	132	041	002																							175
260-269	110	040	001																							151
270-279	147	051	002																							200
280-289	157	063	002																							222
290-299	180	063	002																							245
300-309	153	076	003																							232
310-319	164	074	005																							243
320-329	149	103	002																							254
330-339	132	083	004																							219
340-349	138	090	004																							232
350-359	139	071																								210
	1572		0		0		0		0		0		0		0		0		0		0		0		0	5947
4313		62		0		0		0		0		0		0		0		0		0		0		0		

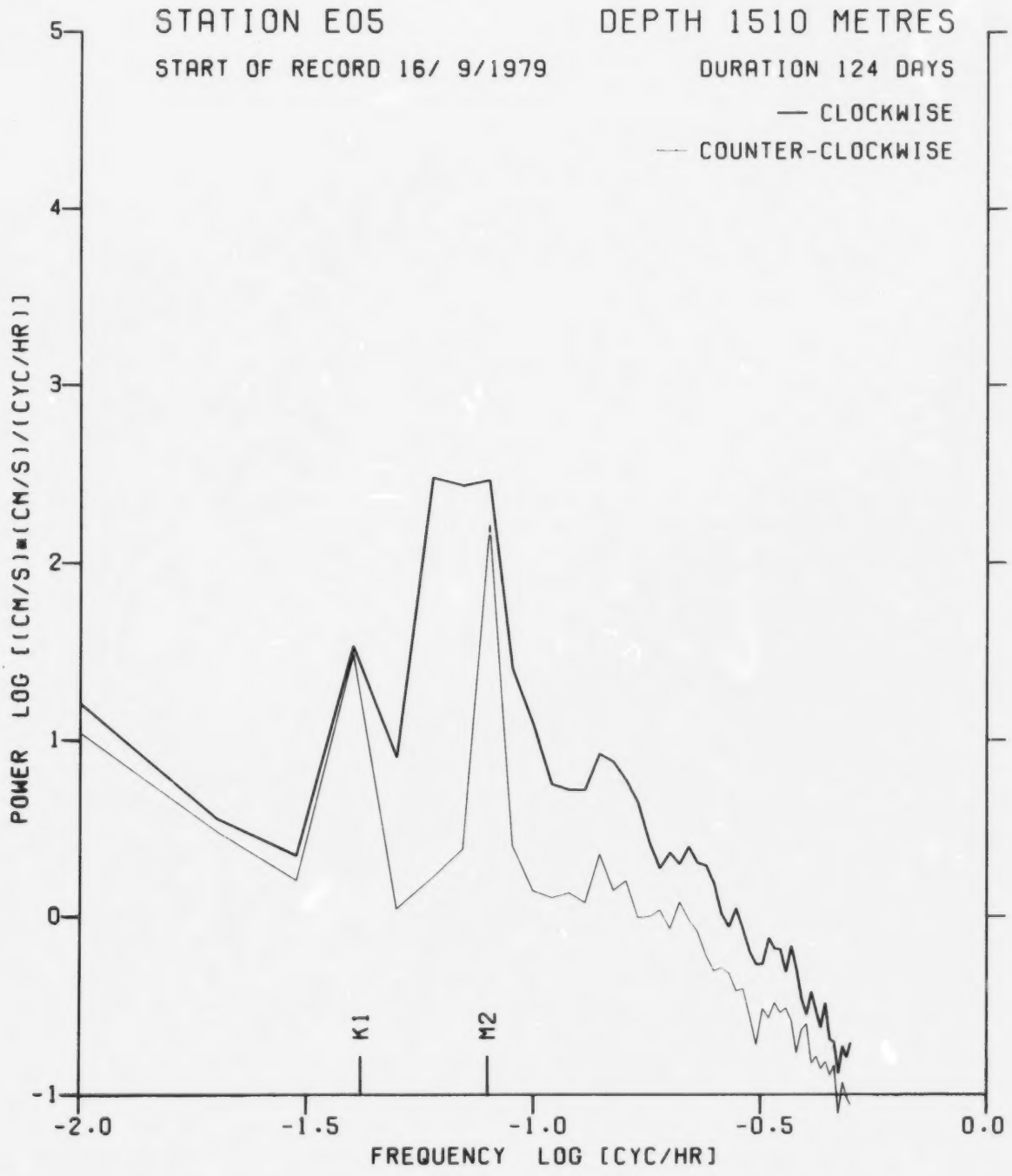
Number of zero rates: 0

ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

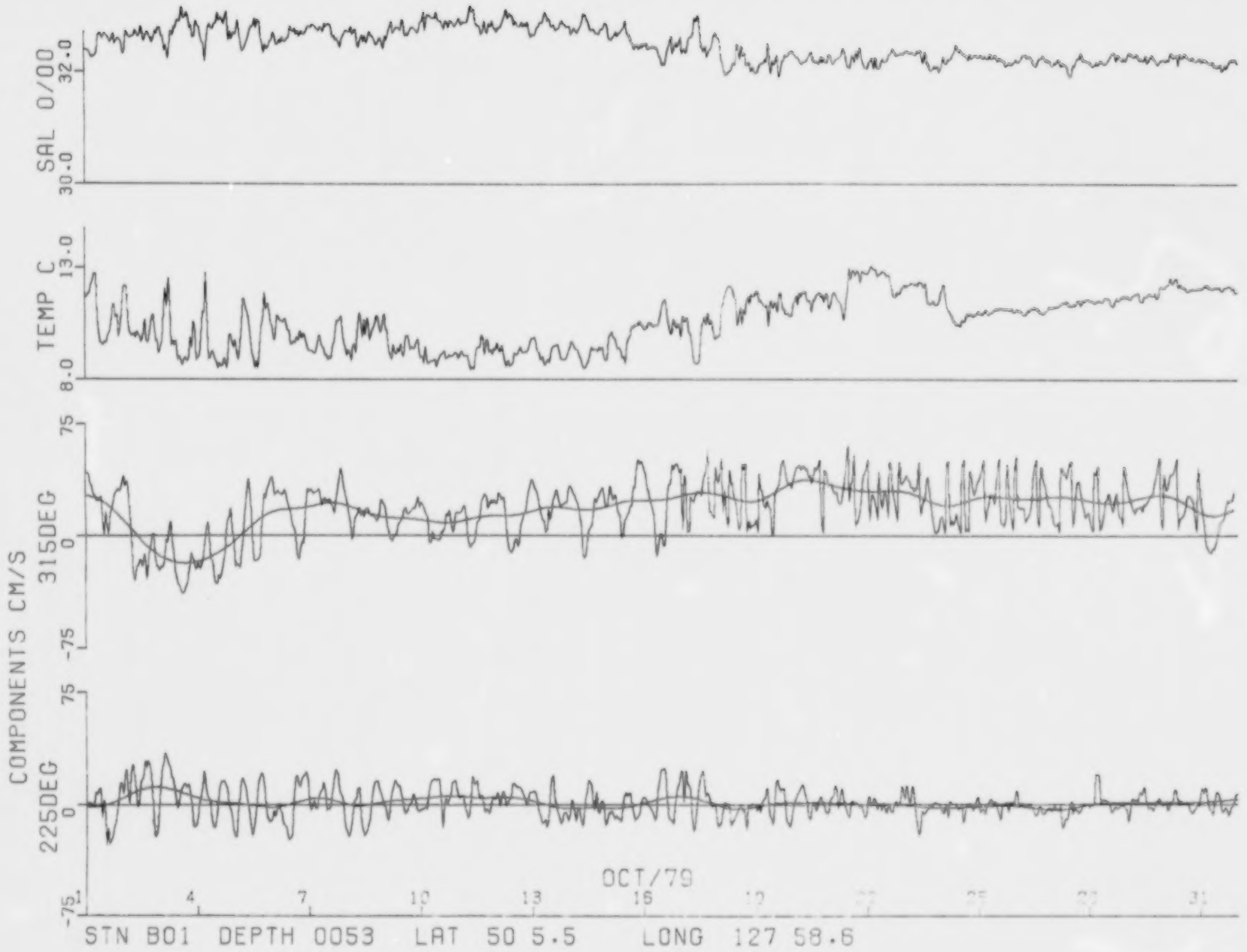
☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E05	1510M	8600	259/79	124

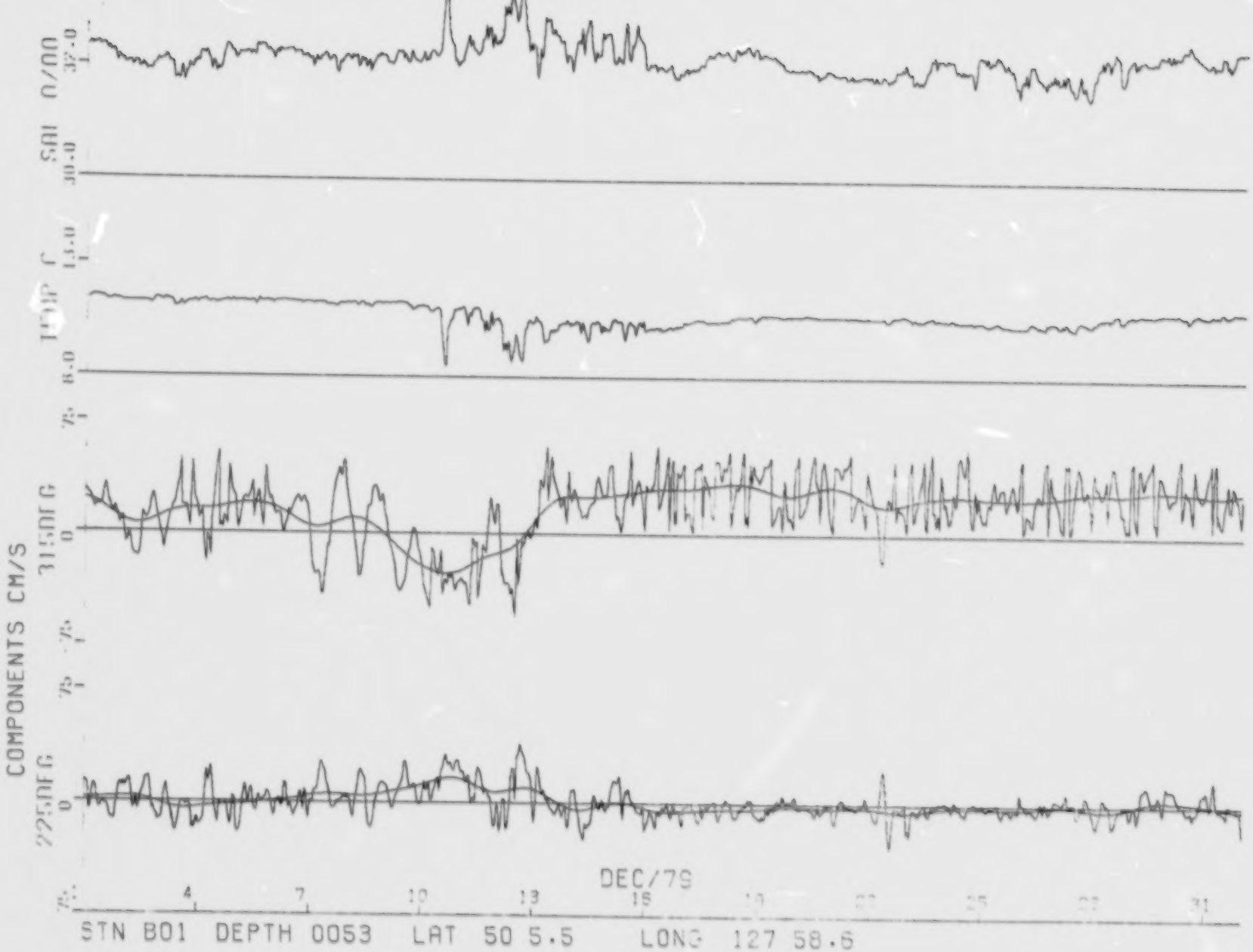
SCALE 25 KM


STATION E05
DEPTH 1510 METRES
START OF RECORD 16/ 9/1979
DURATION 124 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
8.0
13.0
30.0
32.0
STN BO1 DEPTH 0053 LAT 50 [illegible].5 LONG 127 58.6
SEP/79
4
7
10
13
16
19
22
25
28


SAL O/OO
32.0
30.0
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
4
7
10
13
16
STN B01 DEPTH 0053 LAT 50 5.5 LONG 127 58.6

STN B01 DEPTH 0053 LAT 50 5.5 LONG 127 58.5
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
8.0
13.0
SAL 0/00
30.0
32.0


COMPONENTS CM/S
SAL 0/00
TEMP C
315DEG
225DEG
DEC/79
4
7
10
13
16
31
STN B01 DEPTH 0053 LAT 50 5.5 LONG 127 58.6

STN B01 DEPTH 0053 LAT 50 5.5 LONG 127 58.6
JAN/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
8.0
13.0
SAL 0/00
30.0
32.0

STN B01 DEPTH 0053 LAT 50 5.5 LONG 127 58.6
FEB/80
4
7
10
13
15
19
25
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
8.0
13.0
30.0
32.0

SAL 0/00
30.0
32.0
TEMP C
8.0
13.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
STN BC1 DEPTH 0053 LAT 50 5.5 LONG 127 58.5
MAR/80
4
7
10
13
16
19
22
25
28
31

STN 231 DEPTH 0053 LAT 50 5.5 LONG 127 58.6
APR/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
8.0
13.0
30.0
32.0

SAL 0/00
30.0
32.0
TEMP C
8.0
13.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
STN B01 DEPTH 0053 LAT 50 5.5 LONG 127 58.6
MAY/80
4
7
10
13
16
19
22
25
28
31

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B01 Depth 0053 BROOKS PENINSULA 50 05.5 N 127 58.6 W Length of record=234 Days
Start of record 30 mn 10 hr 18 dy 9 mo 79 yr PST Rate of obser.= 1 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	002	009	009	006	006	002	005	001																	42
10- 19	001	006	015	006	009	004	004	001																		46
20- 29	001	007	011	011	001	001																				32
30- 39	002		008	006	001																					17
40- 49	002	002	005	004		001																				14
50- 59	002	004	008	003																						17
60- 69	004	007	006	007	001		001																			26
70- 79	003	001	004	003	002		001																			14
80- 89	003	001	006	006	001	002	001																			20
90- 99	002	003	007	005	008	002																				27
100-109	002	003	005	011	005	004	001	001																		32
110-119	001	002	009	012	009	007	003	001																		44
120-129	002	005	011	021	019	006	007	004	004	001	001															81
130-139	002	006	008	021	016	020	015	005	007	002																102
140-149	004	006	013	033	029	021	020	013	012	010	001															162
150-159	001	010	017	044	033	047	031	031	027	020	008	001														270
160-169	005	009	025	029	027	028	033	030	013	019	001															219
170-179	002	011	016	022	032	031	021	014	011	009																169
180-189	002	006	018	024	018	023	011	007	002	002																113
190-199	001	003	017	019	022	011	006	004	001																	84
200-209	002	002	013	016	012	011	004																			60
210-219	002	008	017	016	011	009	003	003																		69
220-229	001	005	011	018	010	001	003																			49
230-239	001	004	015	014	008	001																				43
240-249	002	005	014	011	011	003	001																			47
250-259	003	009	012	018	012	009	002	001	001																	67
260-269	002	006	014	018	012	014	003																			69
270-279	004	008	011	031	014	009	007	004	001																	89
280-289	002	003	023	030	042	030	022	006	007	006																171
290-299	006	015	023	034	041	046	042	017	011	007	003															245
300-309	019	015	031	045	075	067	065	056	055	052	014	002	001													497
310-319	039	070	085	094	092	124	106	104	114	104	037	009	001													979
320-329	034	073	097	097	124	129	102	141	112	089	027	007	001													1033
330-339	019	026	041	060	063	061	048	043	035	031	005	001	001													434
340-349	005	009	016	022	032	014	019	008	012	002	001															140
350-359	004	005	023	023	015	010	008	003	004	002																97
	357		843		752		582		356		20		0		0		0		0		0		0		0	5620
	189		664		813		592		430		98		4		0		0		0		0		0		0	

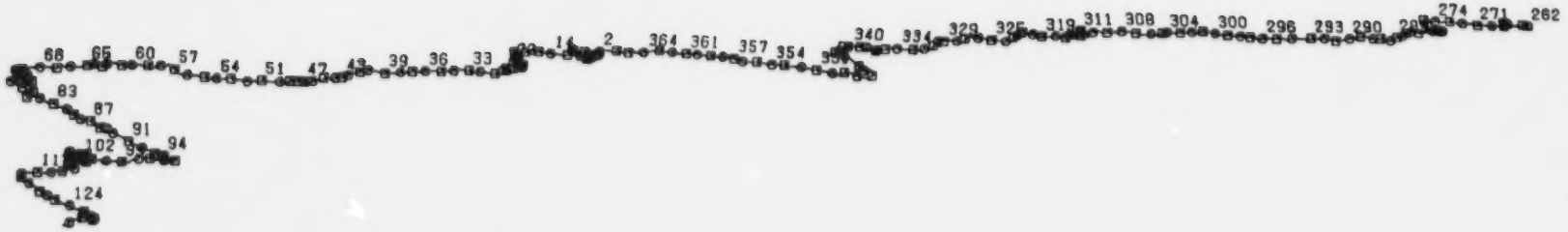
Number of zero rates: 0

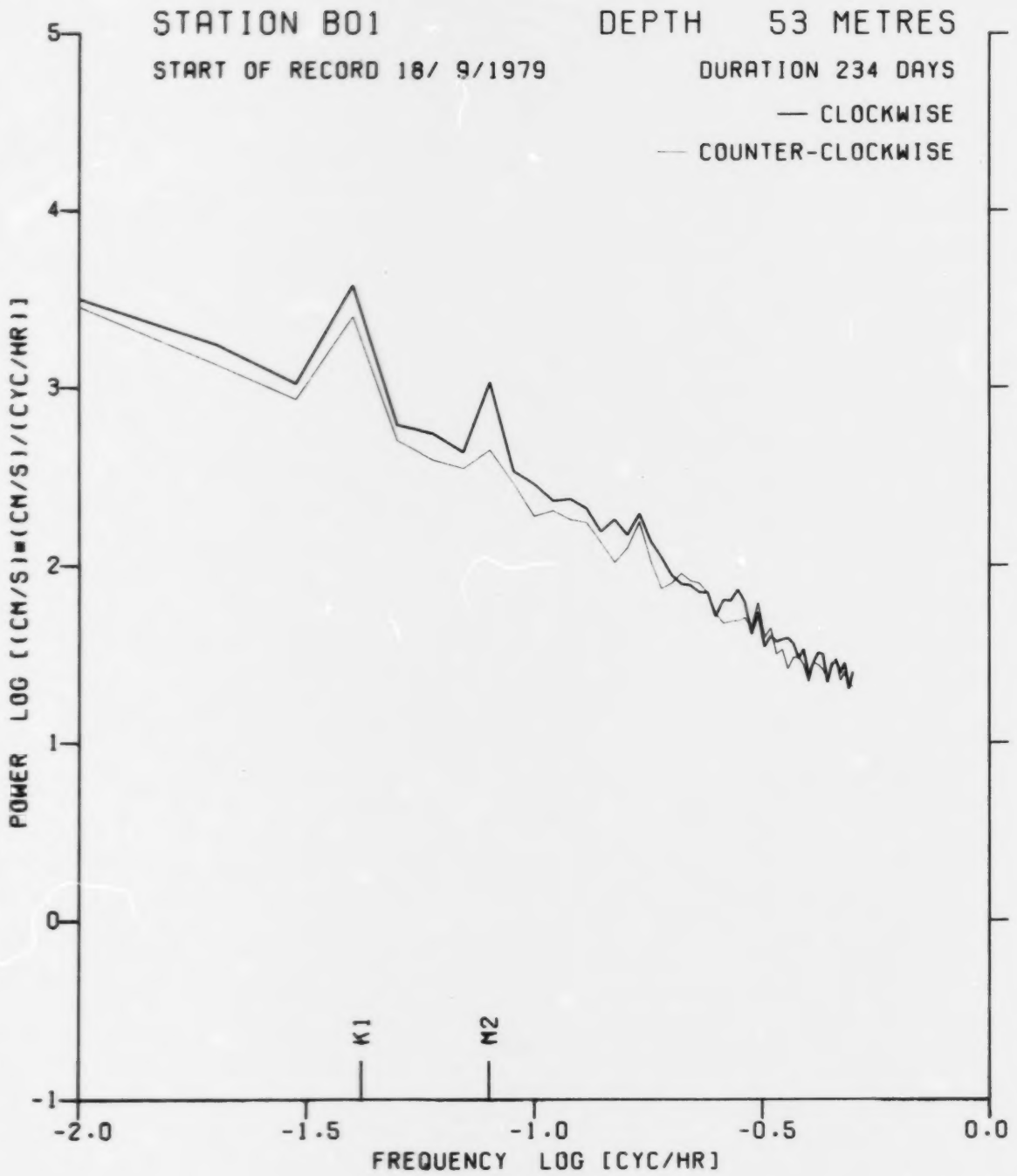
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

☒ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

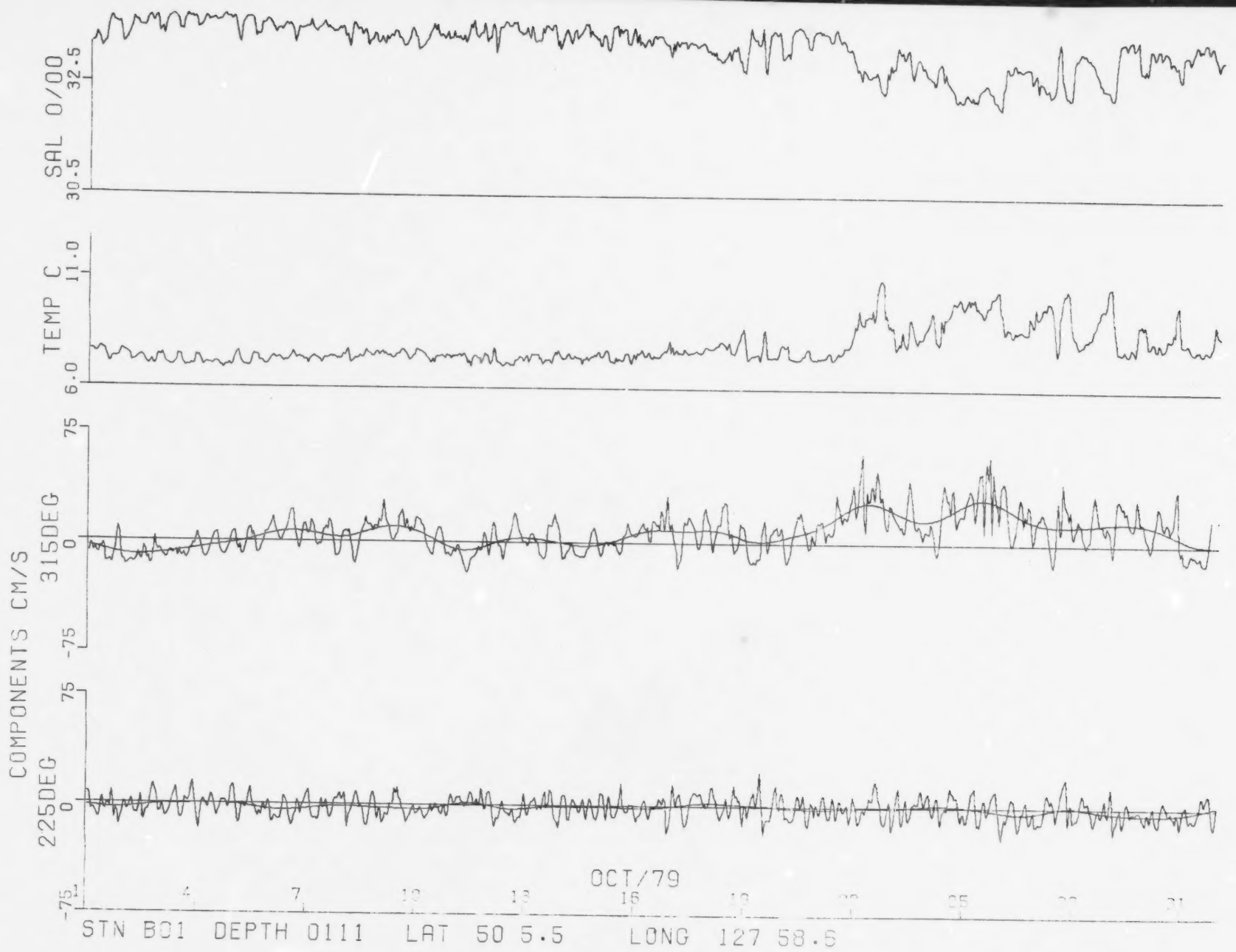
STN	DEPTH	AREA	DAY/YR	NO DAYS
B01	0053M	8700	261/79	234

SCALE ├┼┼┼┤
100 KM

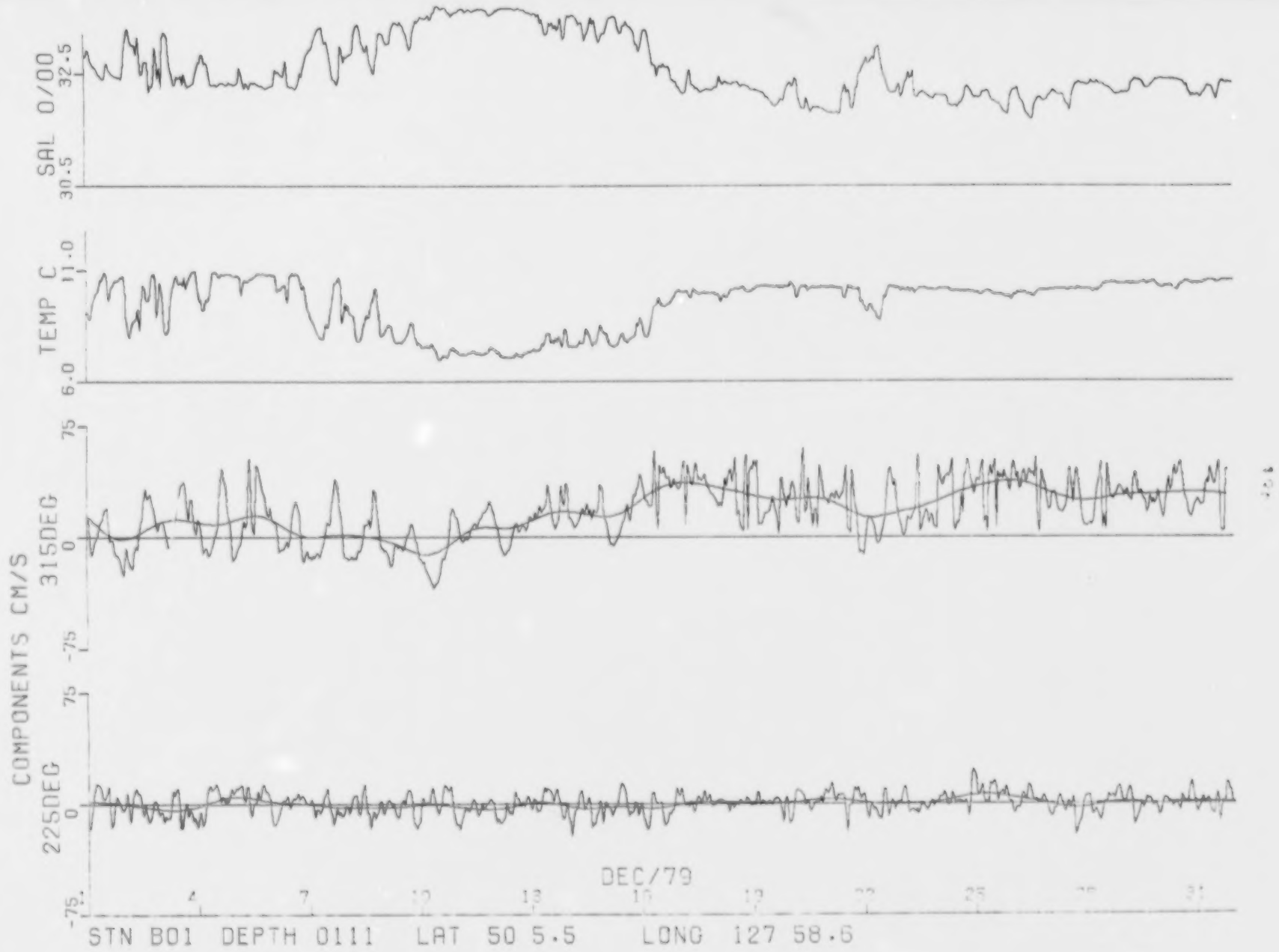


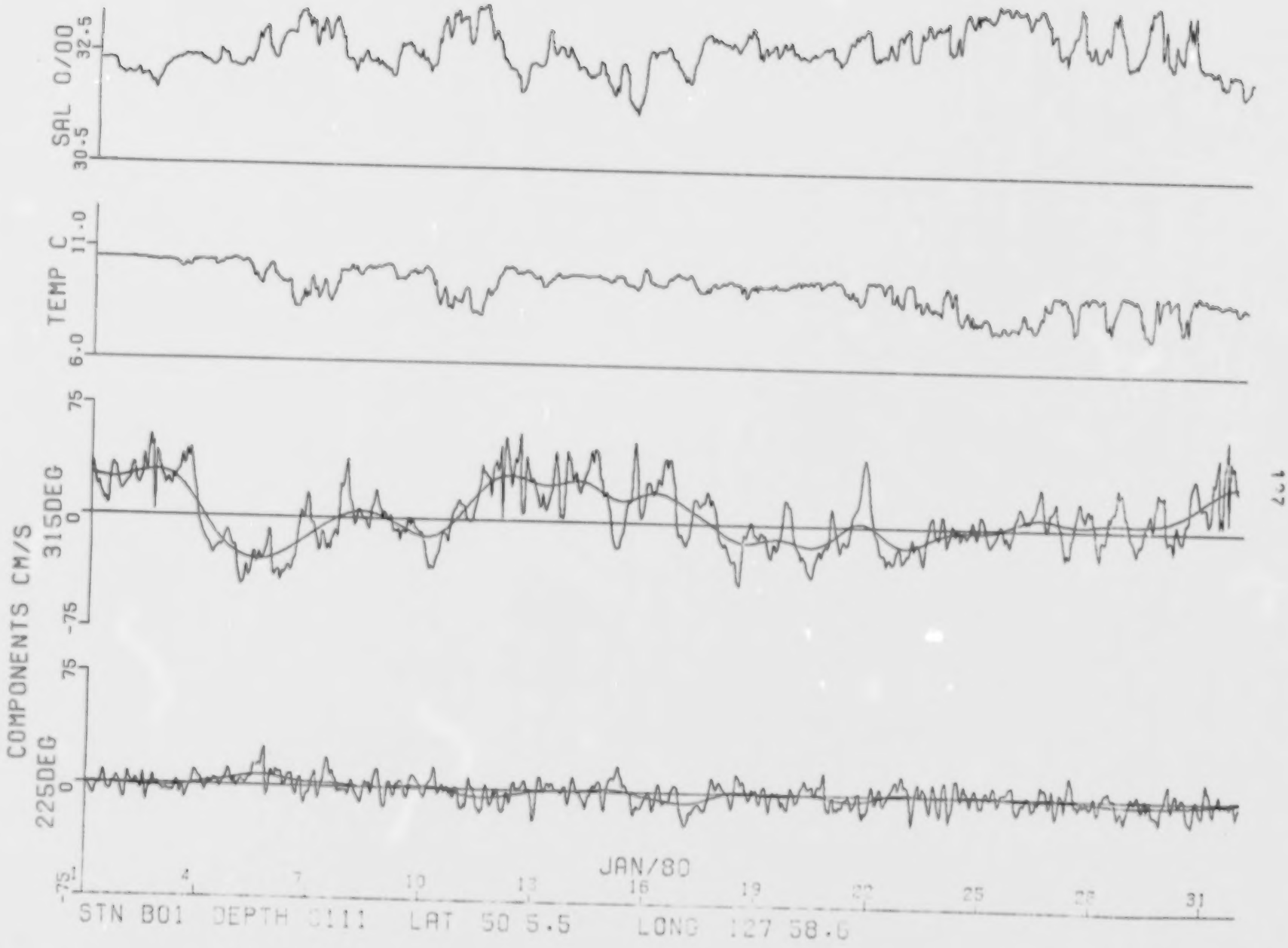

STATION B01
DEPTH 53 METRES
START OF RECORD 18/ 9/1979
DURATION 234 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²=(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

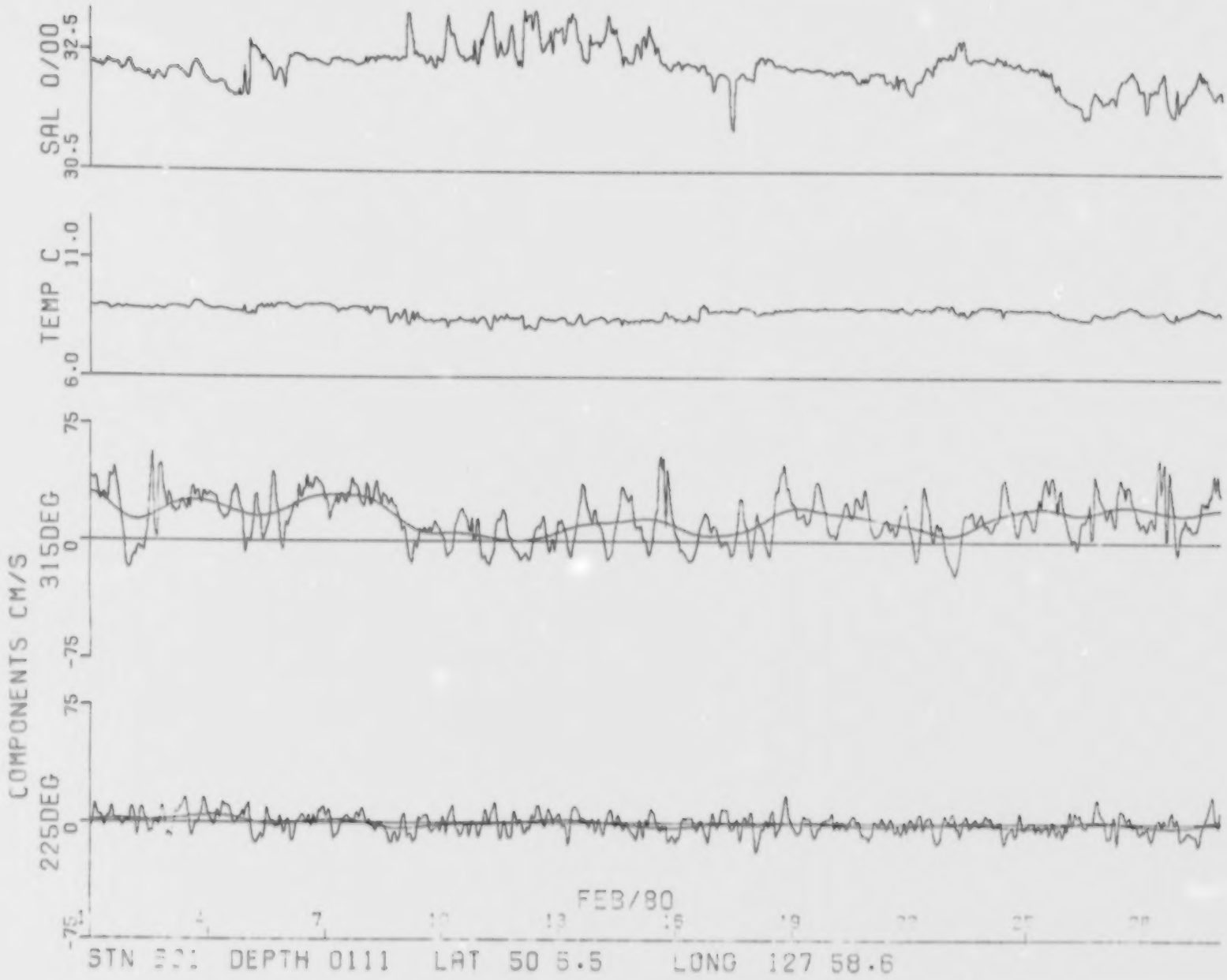
STN B01 DEPTH 0111 LAT 50 5.5 LONG 127 58.6
SEP/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
6.0
11.0
SAL 0/00
30.5
32.5

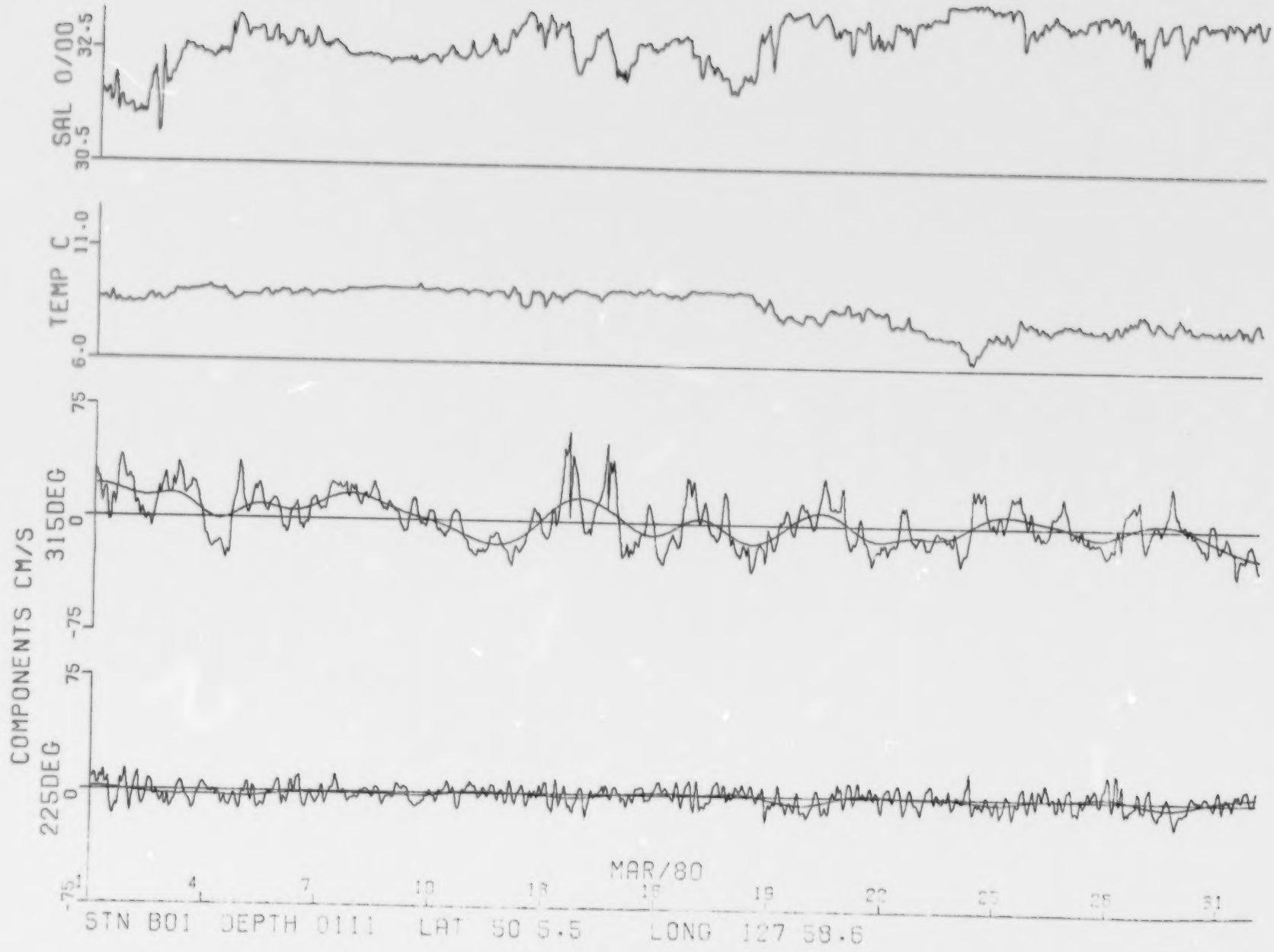

SAL O/OO
32.5
30.5
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
4
7
10
13
16
19
22
25
28
31
STN BO1 DEPTH 0111 LAT 50 5.5 LONG 127 58.5

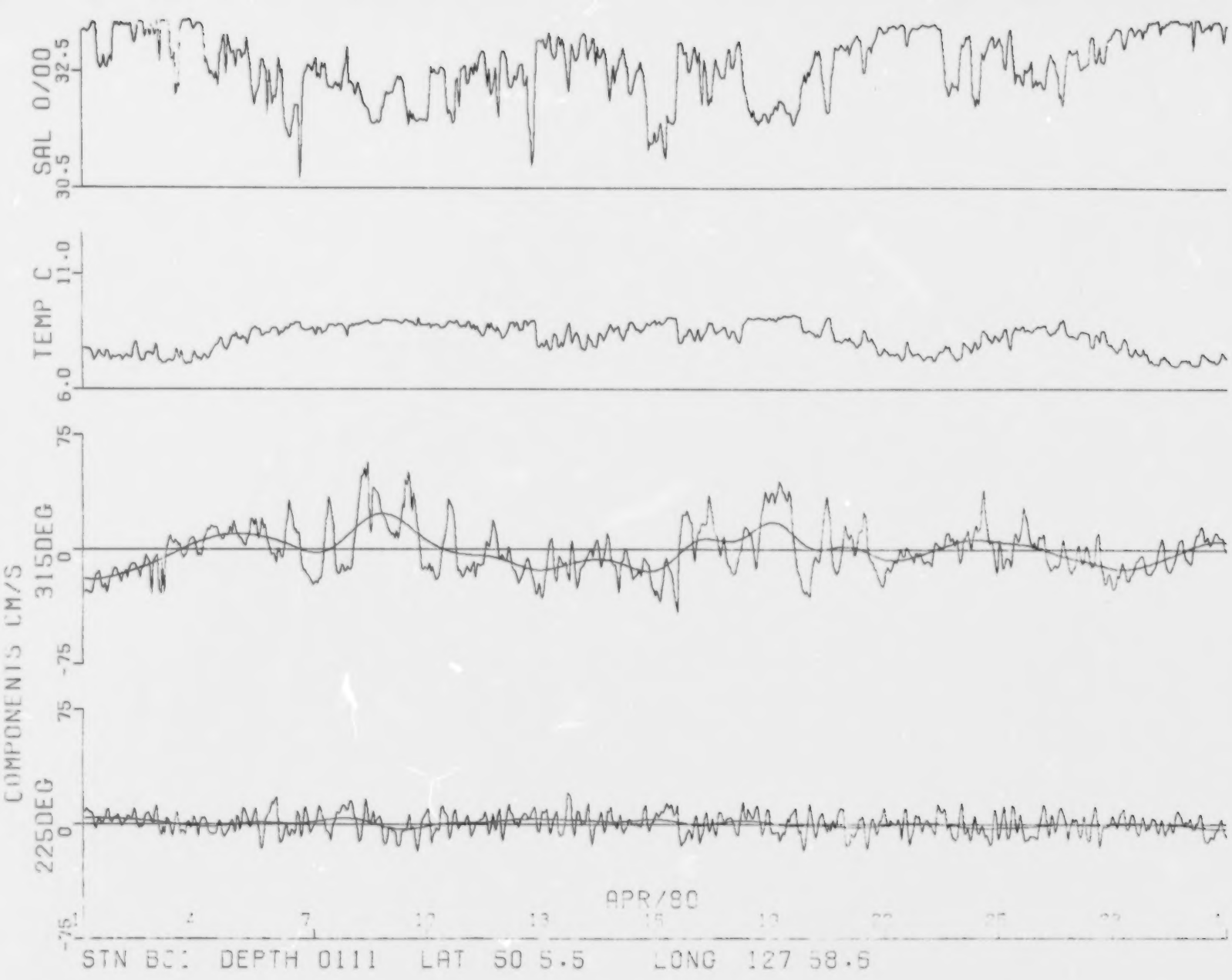
SAL 0/00
30.5
32.5
TEMP C
6.0
11.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
STN B01 DEPTH 0111 LAT 50 5.5 LONG 127 58.6
NOV/79
4
7
10
13
16
19
22
25
28
1

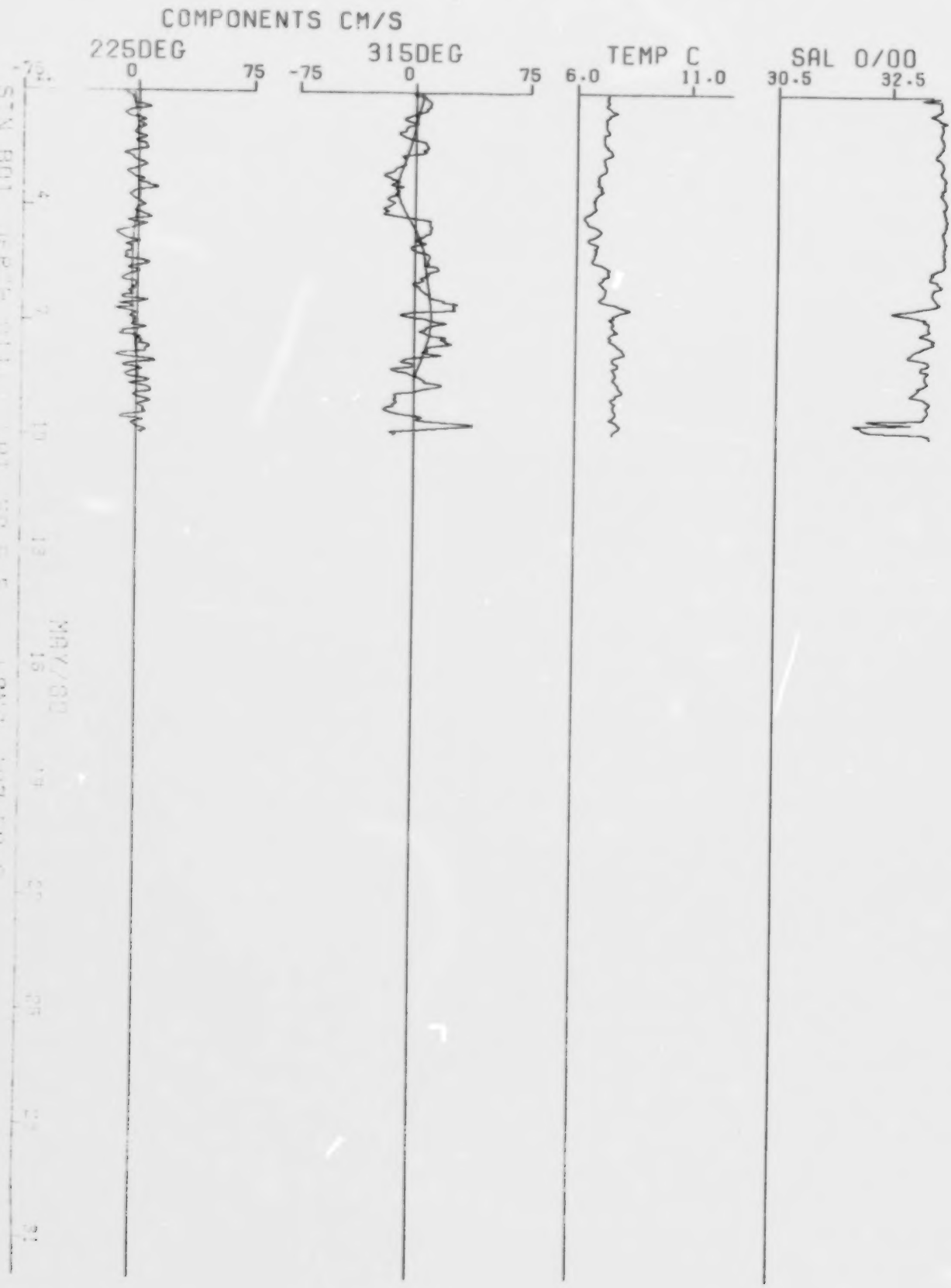

SAL 0/00
32.5
30.5
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
12
13
19
22
25
STN B01 DEPTH 0111 LAT 50 5.5 LONG 127 58.6


SAL O/OO
32.5
30.5
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 3111 LAT 50 5.5 LONG 127 58.6


SAL 0/00
32.5
30.5
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
STN 201 DEPTH 0111 LAT 50 5.5 LONG 127 58.6


SAL 0/00
32.5
30.5
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 0111 LAT 50 5.5 LONG 127 58.6


SAL 0/00
32.5
30.5
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
STN BC1 DEPTH 0111 LAT 50 5.5 LONG 127 58.5


COMPONENTS CM/S
225DEG
0
75
315DEG
-75
0
75
TEMP C
6.0
11.0
SAL 0/00
30.5
32.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn 001 Depth 0111 BROOKS PENINSULA 50 05.5 N 127 58.6 W Length of record=234 Days
Start of record 30 mn 10 hr 18 dy 9 mo 79 yr PST Rate of obser.= 1 per Hour

	CMS/SEC																								
	001	005	010	015	020	025	030	035	040	045	050	055	060	065	070	075	080	085	090	095	100	105	110	115	120
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	004	009	014	019	024	029	034	039	044	049	054	059	064	069	074	079	084	089	094	099	104	109	114	119	124
DIR																									
0- 9	007	026	042	032	008	002																			117
10- 19	009	032	029	013	002	001																			86
20- 29	004	029	016	007	002																				58
30- 39	009	034	019	005	001																				68
40- 49	006	026	021	002																					55
50- 59	013	035	028	006	001																				83
60- 69	010	028	017	003																					58
70- 79	011	029	020	002	002																				64
80- 89	009	034	019	003																					65
90- 99	010	036	029	010																					85
100-109	012	029	041	006	001		002																		91
110-119	013	041	034	017	004	002																			111
120-129	005	045	059	044	018	013	004	001	001																190
130-139	014	047	074	068	038	007	007	004	004																263
140-149	009	062	086	056	036	015	016	008																	288
150-159	009	055	066	048	018	019	003	002	002																222
160-169	005	047	056	022	009	004	004																		147
170-179	005	037	039	022	002	001																			106
180-189	008	030	033	012	004	002																			89
190-199	002	031	022	002	002																				59
200-209	002	024	026	003		001																			56
210-219	011	029	012	007																					59
220-229	010	021	013																						44
230-239	007	032	019	001	001																				60
240-249	013	022	009	002																					46
250-259	007	013	019	001																					40
260-269	015	033	027	007																					82
270-279	010	030	034	008	001		001																		84
280-289	005	056	041	014	011	003	006	001	003																140
290-299	010	048	041	036	032	025	015	009	007	004	001	001													221
300-309	020	068	068	062	039	049	037	037	033	019	006	001													439
310-319	010	057	087	087	091	081	071	071	059	046	014	009	003												694
320-329	021	058	091	071	072	060	053	052	026	022	011	002	001												548
330-339	010	049	095	077	057	030	039	014	016	005	001														409
340-349	013	035	053	056	035	020	011	005	001	002															231
350-359	009	032	060	031	011	010	001	001																	155
	1332		843		361		205		90		13		0		0		0		0		0		0		5613
	359	1445		498		278		152		33		4		0		0		0		0		0		0	

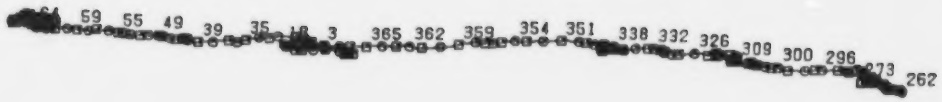
Number of zero rates: 7

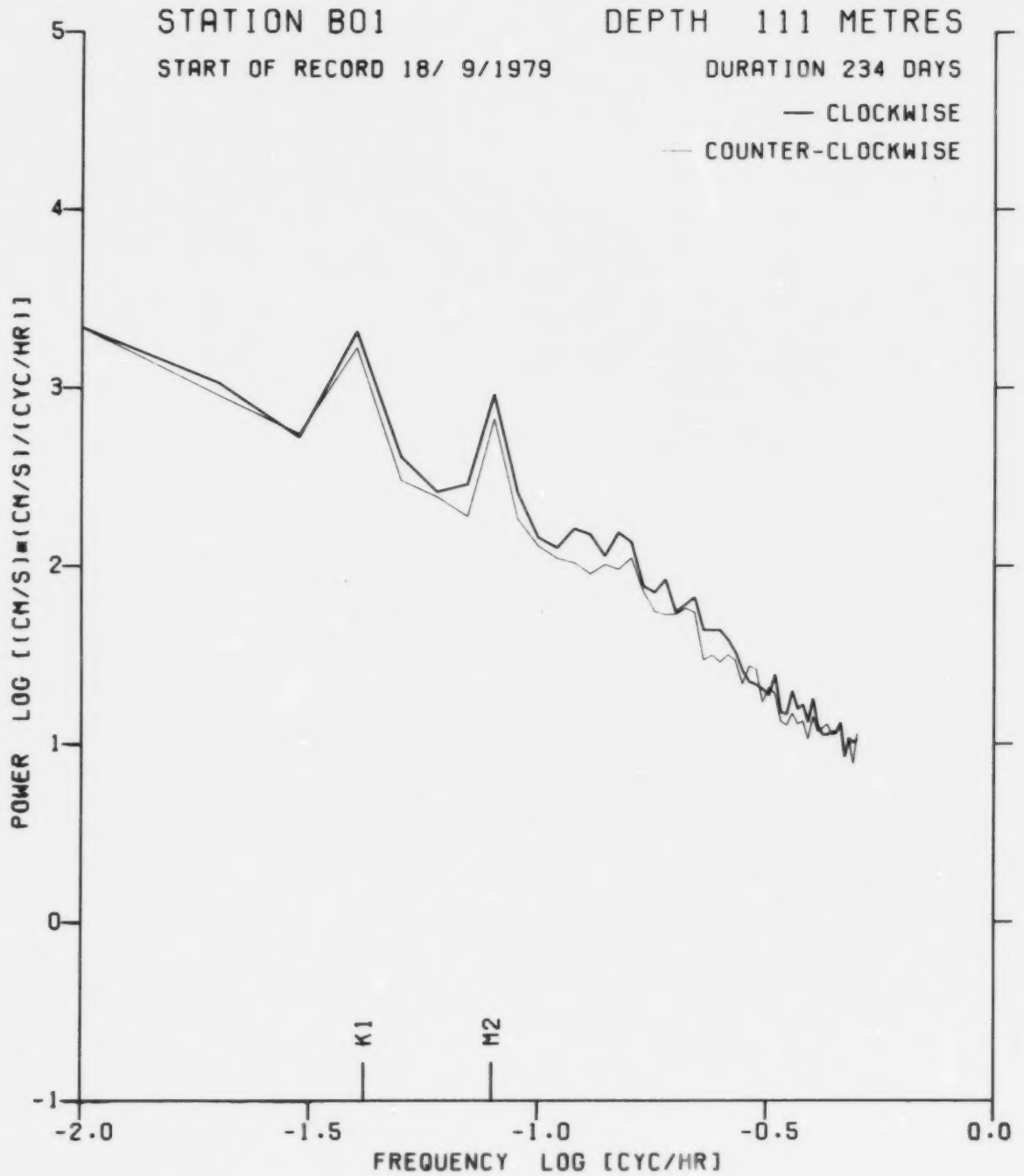
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

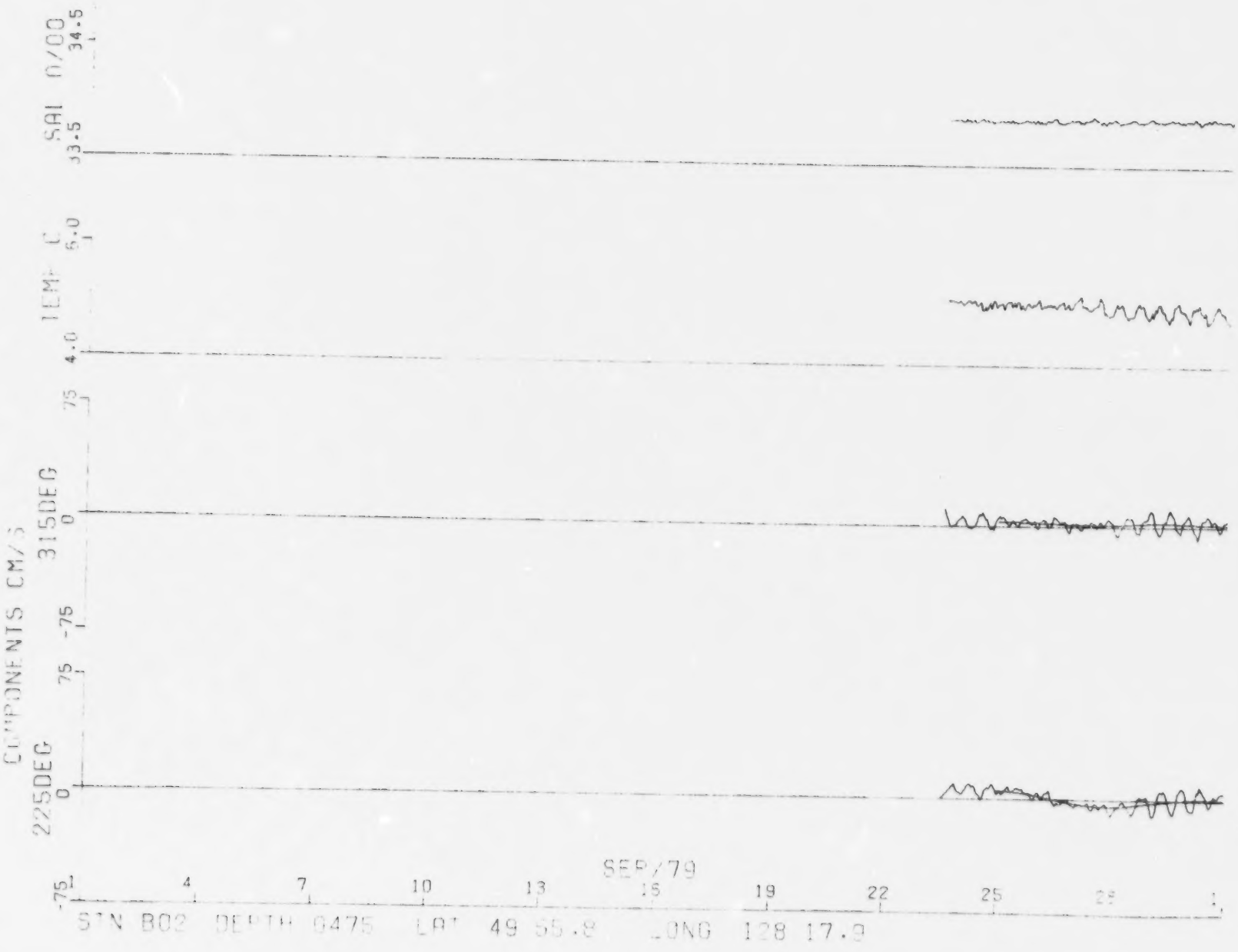
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

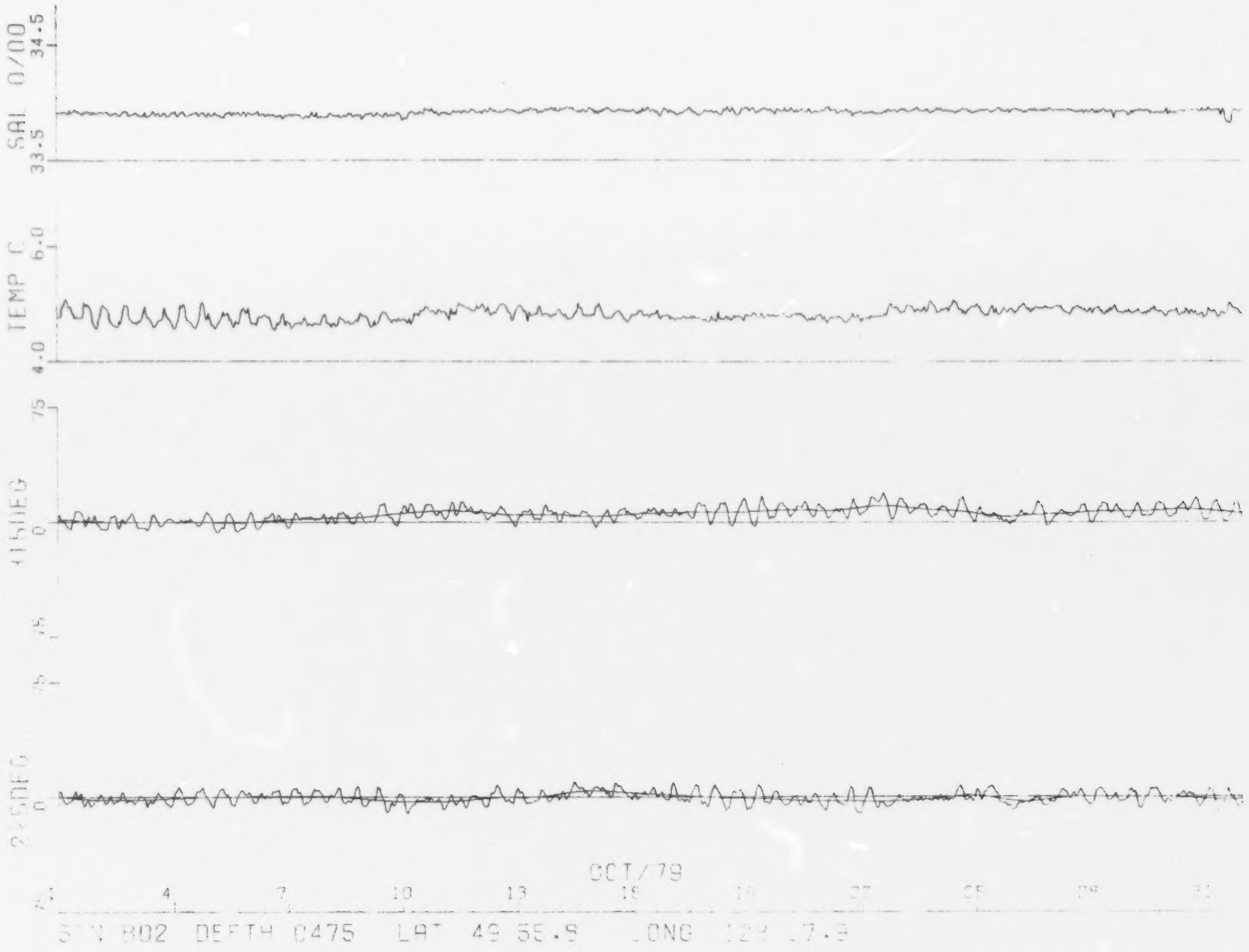
STN	DEPTH	AREA	DAY/YR	NO DAYS
B01	0111M	8700	261/79	234

SCALE ⊢+++⊣
100 KM

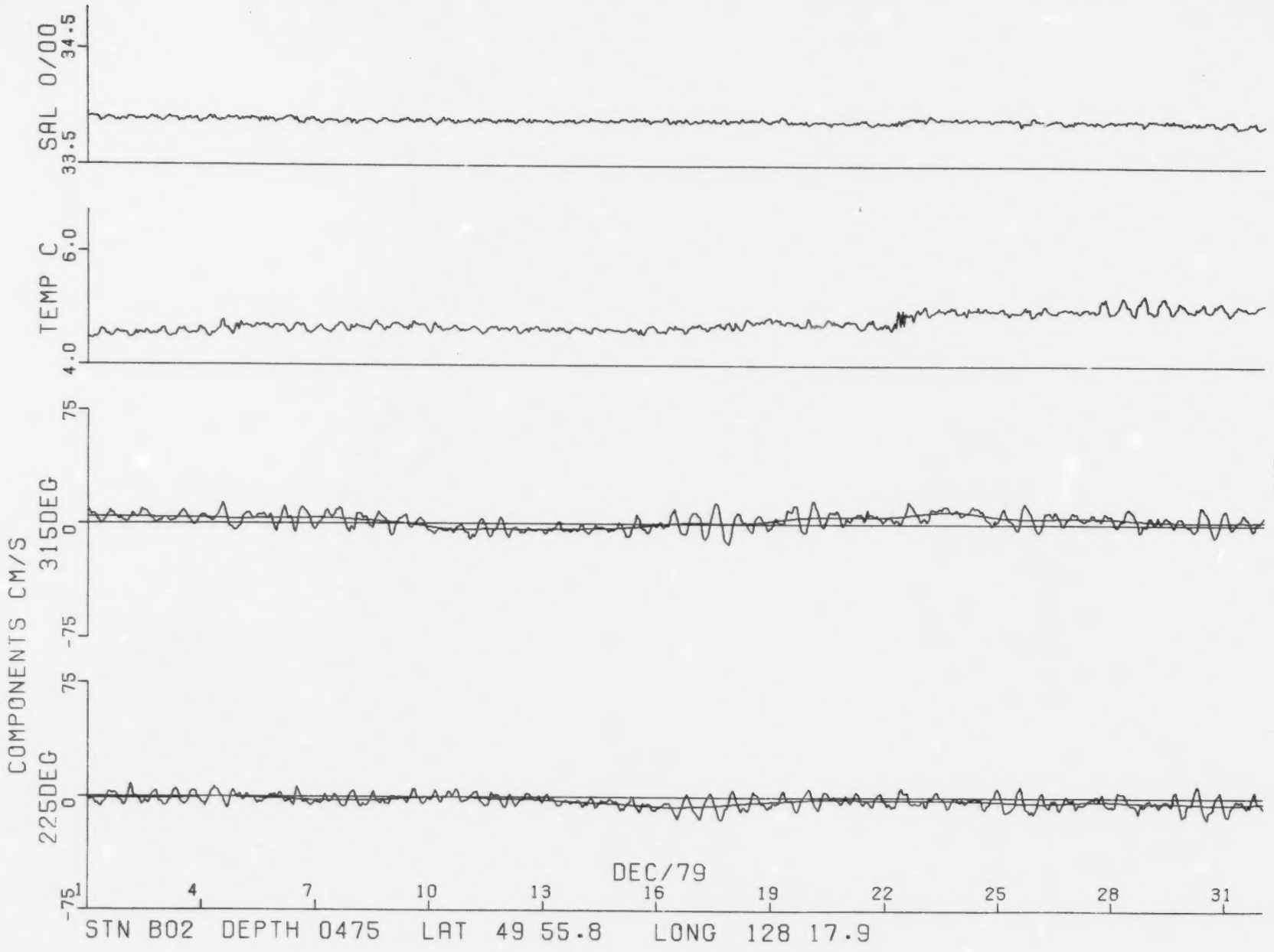



STATION B01
DEPTH 111 METRES
START OF RECORD 18/ 9/1979
DURATION 234 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.5
34.5
TEMP C
4.0
6.0
75
0
-75
315DEG
75
0
-75
225DEG
SEP/79
1
4
7
10
13
16
19
22
25
28
STN B02 DEPTH 0475 LAT 49 55.8 LONG 128 17.9

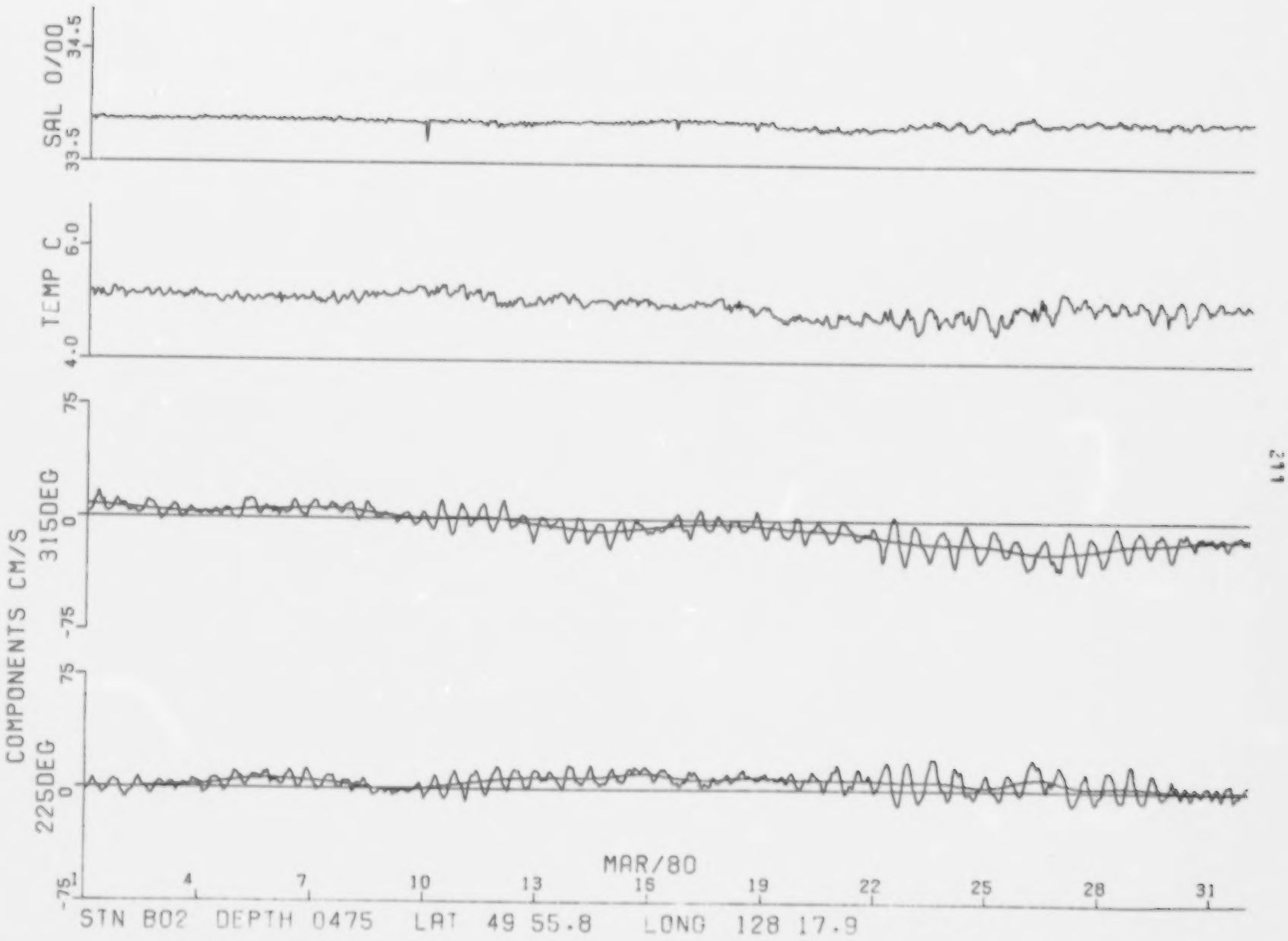

SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
75
0
OCT/79
4
7
10
13
DEPTH 0475
LAT 49 55.8

STN B02 DEPTH 0475 LAT 49 55.8 LONG 128 17.9
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
4.0
6.0
SAL 0/00
33.5
34.5


SAL O/OO
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
1
4
7
10
13
16
19
22
25
28
31
STN B02 DEPTH 0475 LAT 49 55.8 LONG 128 17.9

STN 802 DEPTH 0475 LAT 49 55.8 LONG 128 17.9
JAN/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
4.0
6.0
SAL 0/00
33.5
34.5

STN B02 DEPTH 0475 LAT 49 55.8 LONG 128 17.9
FEB/80
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
4.0
6.0
33.5
34.5


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN 802 DEPTH 0475 LAT 49 55.8 LONG 128 17.9

STN B02 DEPTH 0475 LAT 49 55.8 LONG 128 17.9
APR/80
1 4 7 10 13 16 19 22 25 28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75 0 -75
4.0 6.0
33.5 34.5

STN B02 DEPTH 0475 LAT 49 55.8 LONG 128 17.9
MAY/80
1 4 7 10 13 16 19 22 25 28 31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75 0 75
4.0 6.0
33.5 34.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B02 Depth 0475 BROOKS PENINSULA 49 55.8 N 128 17.9 W Length of record=229 Days
Start of record 30 mn 12 hr 23 dy 9 mo 79 yr PST Rate of obser.= 1 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	062	075	023	005	001																					166
10- 19	054	051	015	003																						123
20- 29	048	058	009	002																						109
30- 39	032	037	008	001																						78
40- 49	045	034	006																							85
50- 59	040	036	009																							85
60- 69	040	034	002																							76
70- 79	032	034	004																							70
80- 89	036	035	005	001																						77
90- 99	043	037	009																							89
100-109	038	042	014	003	001																					98
110-119	028	056	015	010	005	001																				115
120-129	041	053	026	008	005	005	002																			140
130-139	040	060	034	007	004	008	001																			154
140-149	034	046	036	011	010	005	003																			145
150-159	037	068	030	009	007	006	004	001																		162
160-169	044	056	022	013	006	005	003	001																		150
170-179	045	059	036	016	007	004	001																			168
180-189	035	062	024	015	004	003																				143
190-199	039	041	026	017	002																					125
200-209	039	041	022	005	002																					109
210-219	031	054	025	004																						114
220-229	035	061	011	003																						110
230-239	033	052	015	005																						105
240-249	047	044	017	004	001																					113
250-259	051	074	027	008	002																					162
260-269	042	080	018	010	002																					152
270-279	051	075	037	010	003																					176
280-289	056	088	036	007	002																					189
290-299	047	114	049	017	003																					230
300-309	056	126	062	020	002																					266
310-319	076	126	073	029	003																					307
320-329	076	143	083	029	001																					332
330-339	055	149	072	016	004																					296
340-349	077	124	063	016																						280
350-359	059	096	029	006																						190
	2421		310		37		2		0		0		0		0		0		0		0		0		0	5489
	1636		992		77		14		0		0		0		0		0		0		0		0		0	

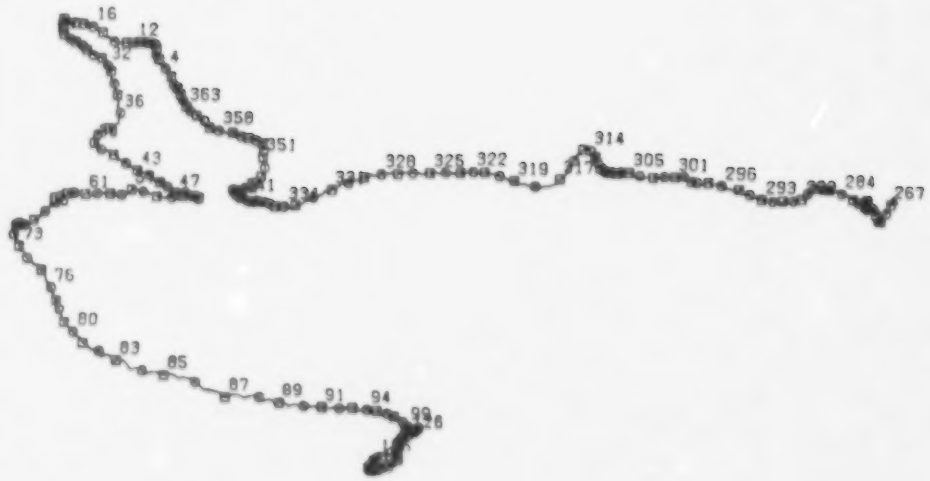
Number of zero rates: 6

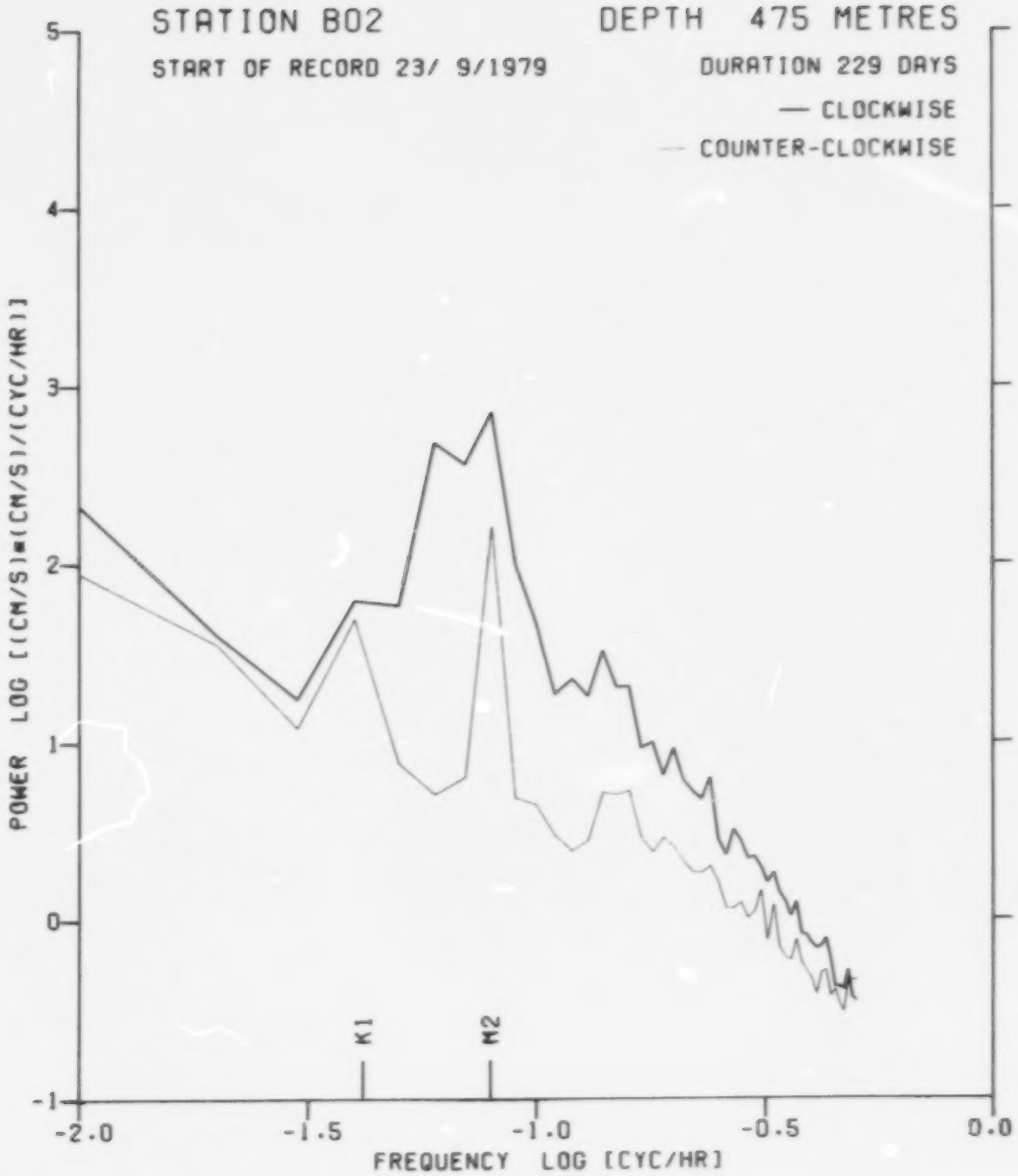
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

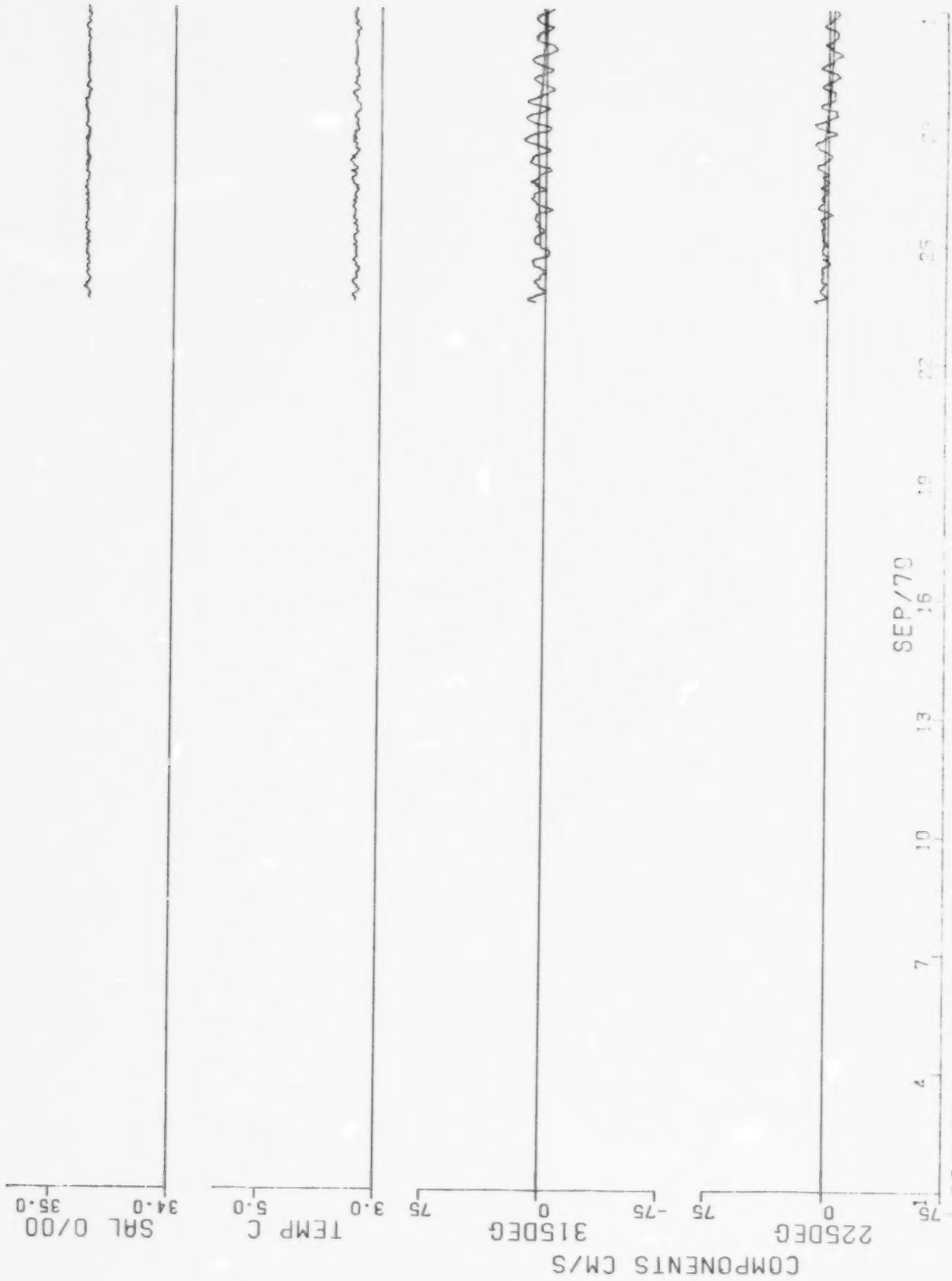
ⓞODD NUMBERED DAYS
ⓔEVEN NUMBERED DAYS

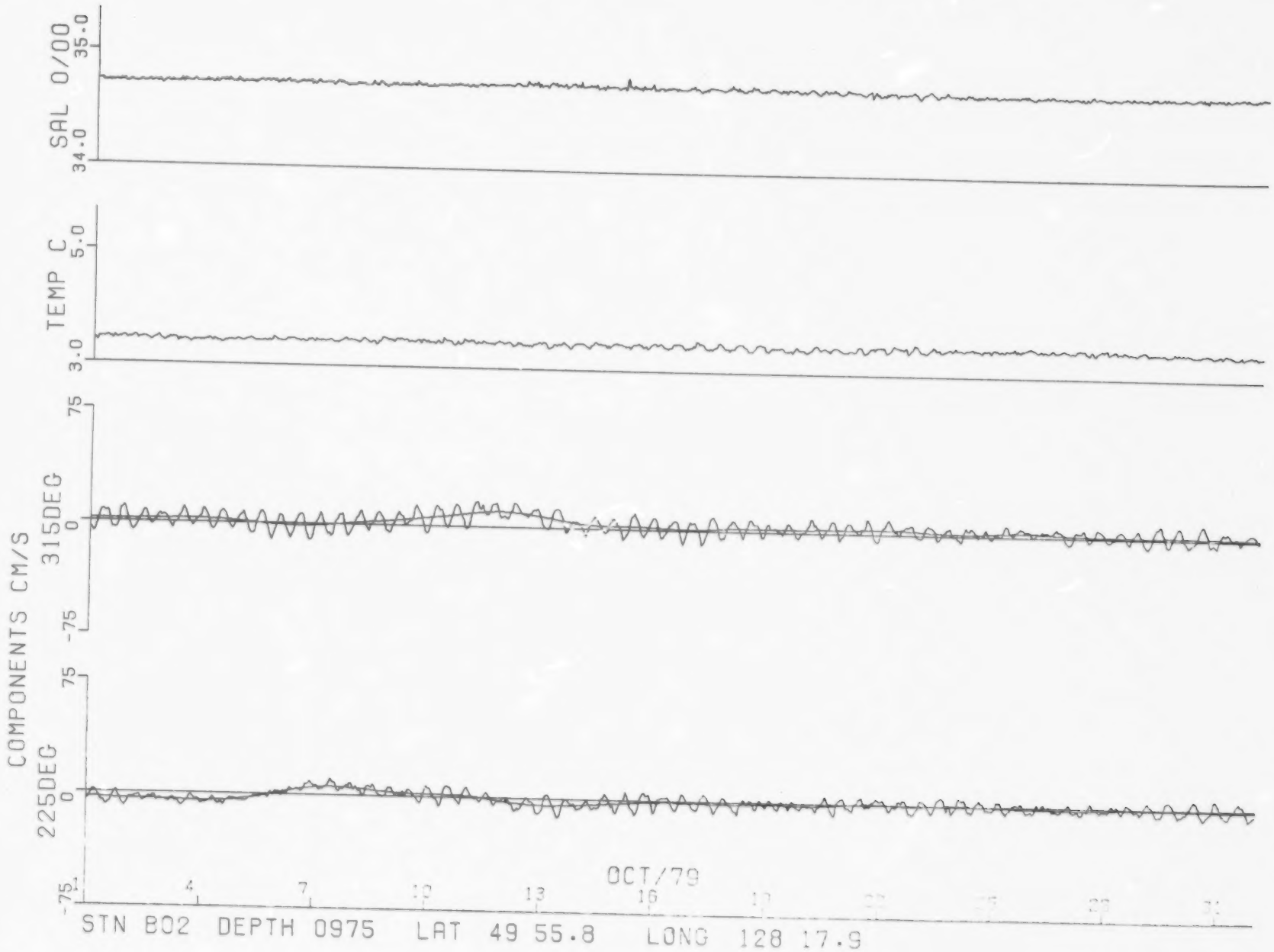
STN	DEPTH	AREA	DAY/YR	NO DAYS
802	0475M	8700	266/79	229

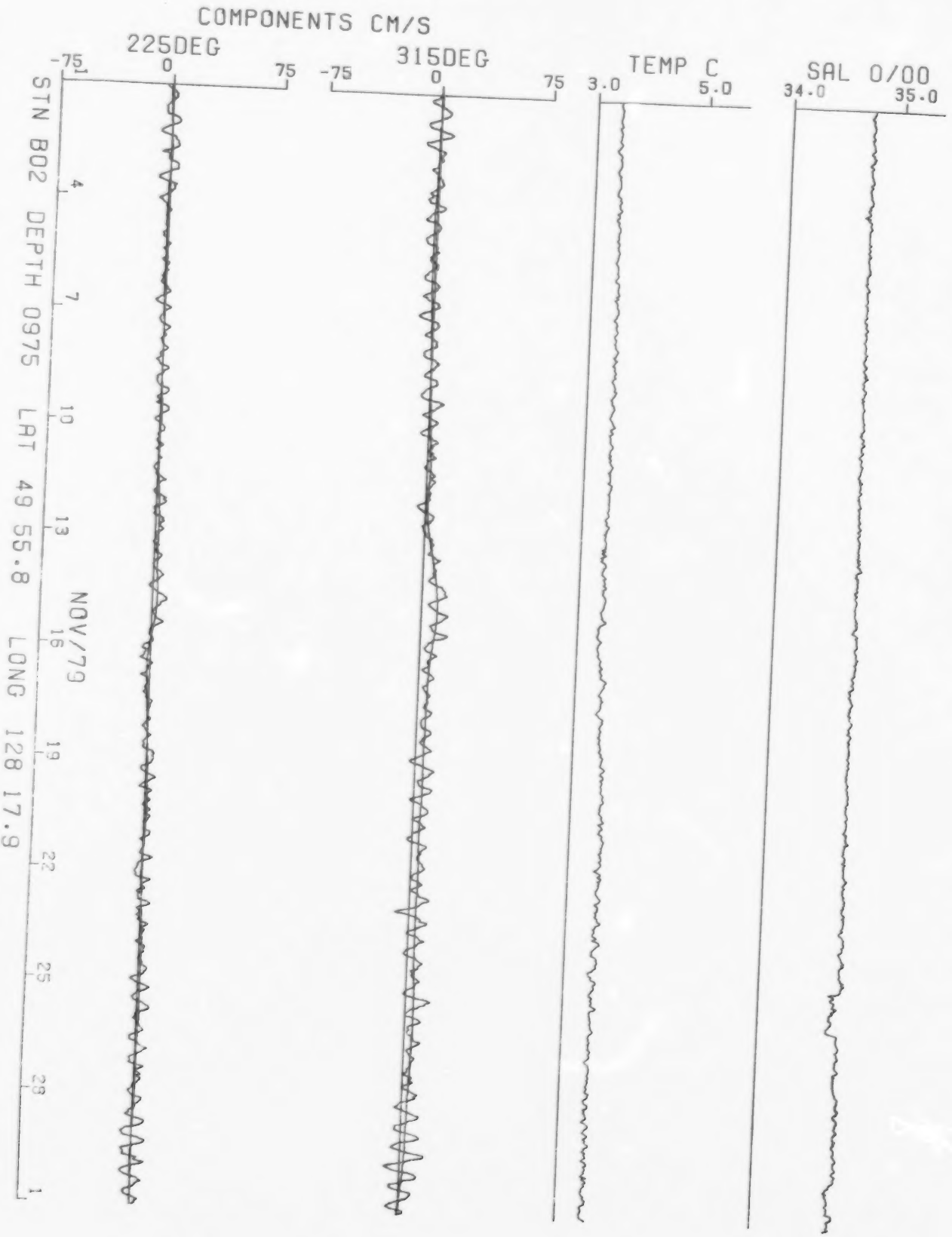
SCALE
100 KM

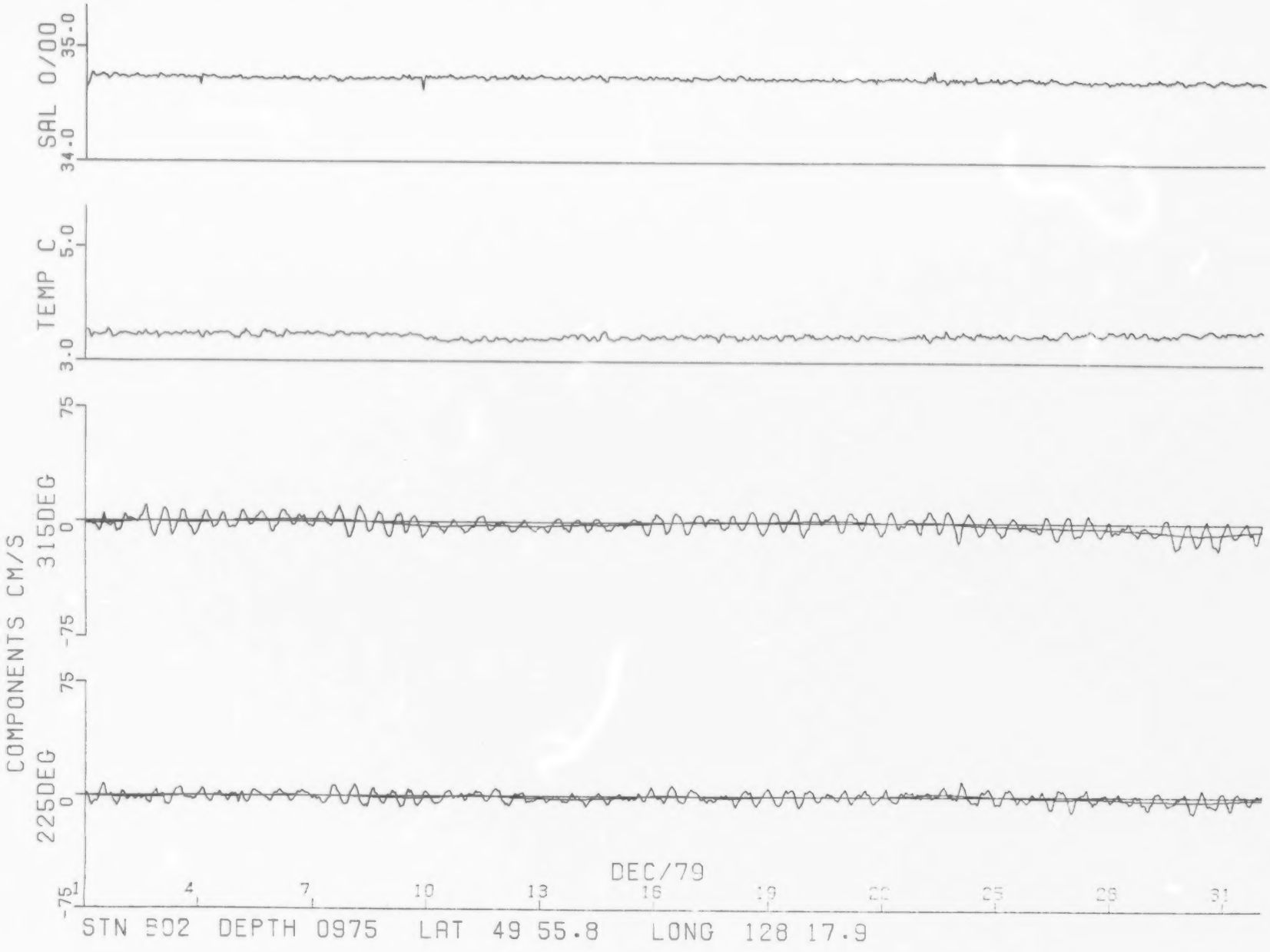


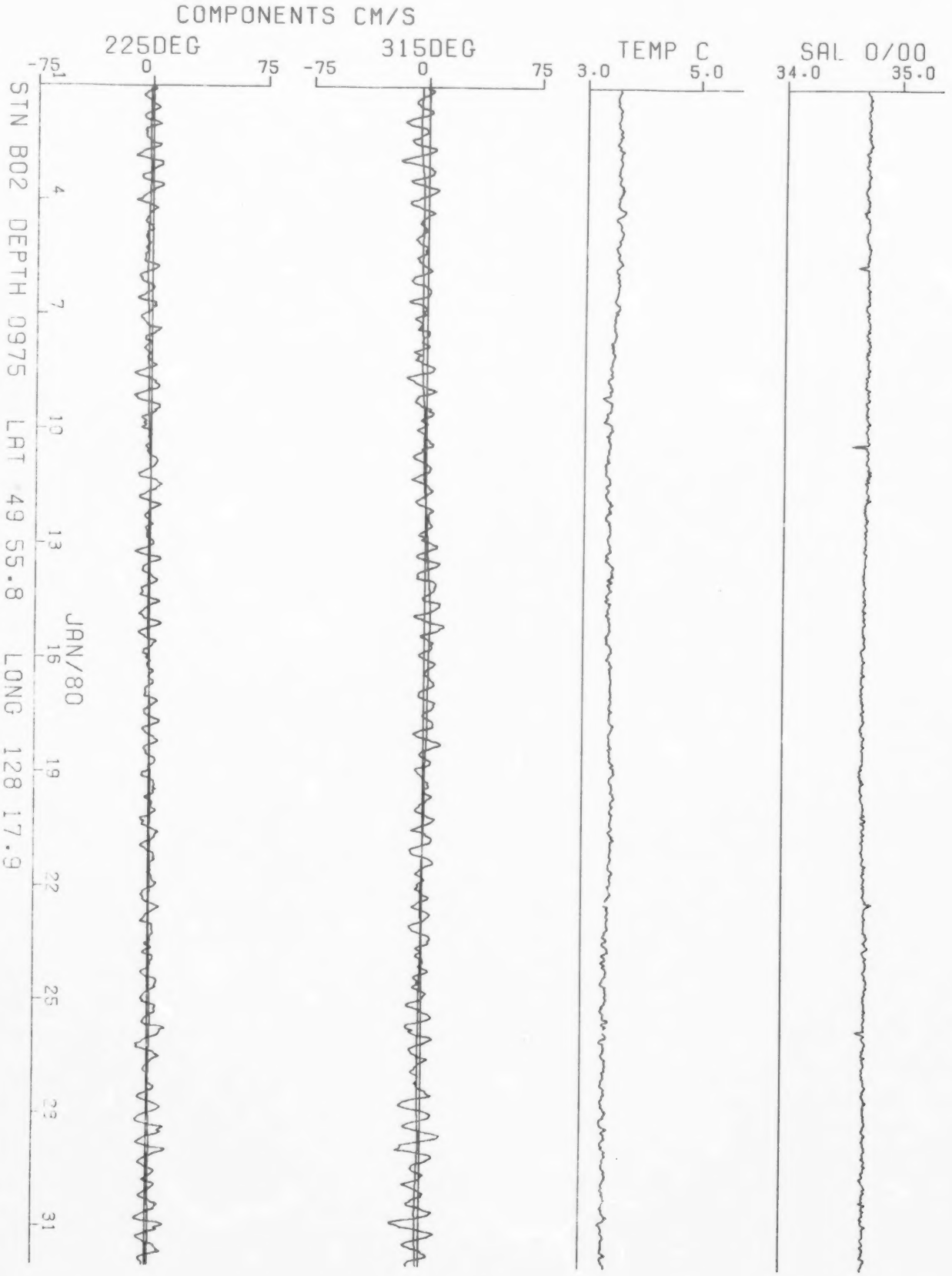

STATION B02
DEPTH 475 METRES
START OF RECORD 23/ 9/1979
DURATION 229 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


STN B02 DEPTH 0975 LAT 49 55.8 LONG 128 17.9
SEP/79
4 7 10 13 16 19 22 25
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75 0 -75
3.0 5.0
34.0 35.0

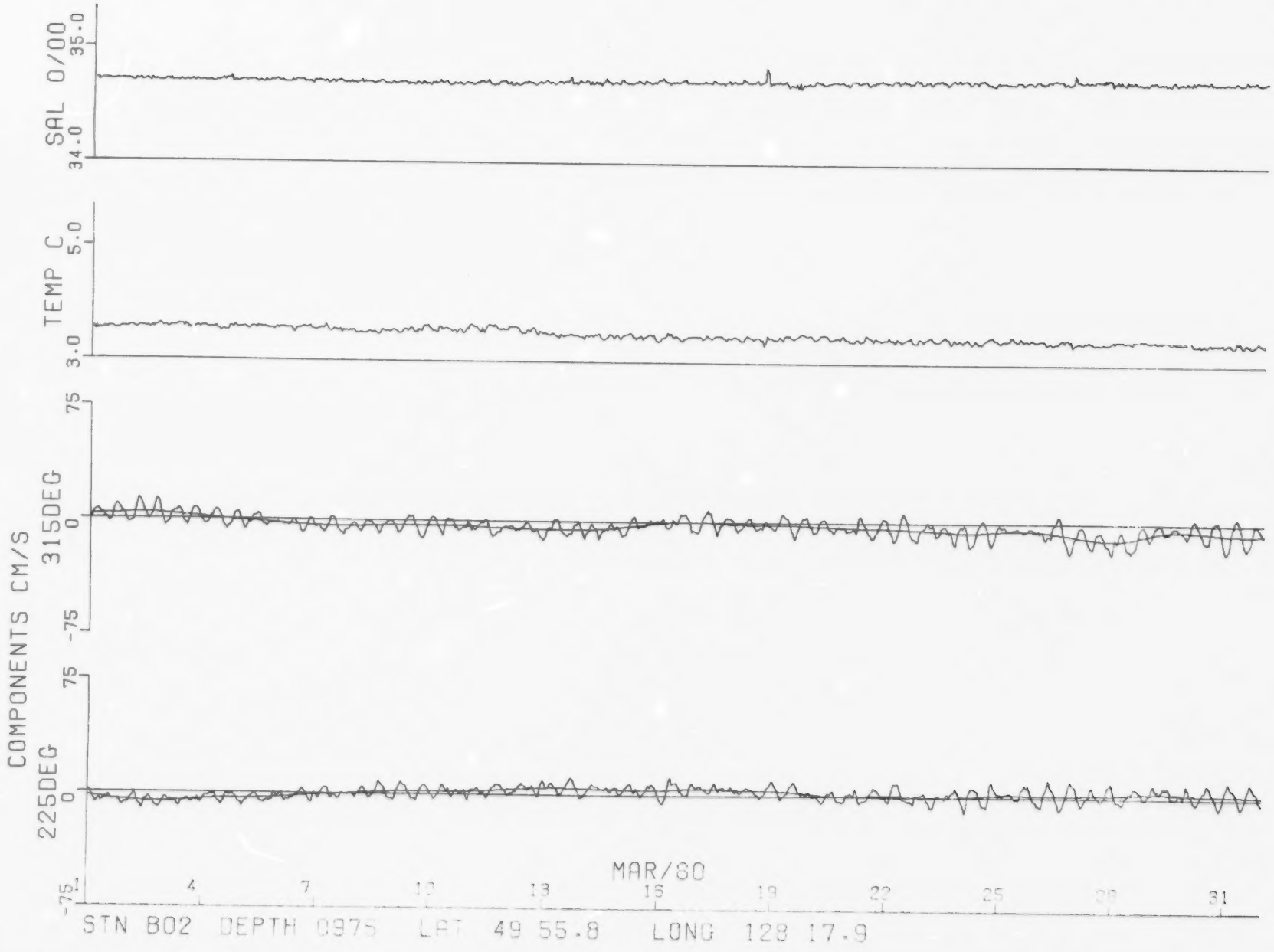

SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
31
OCT/79
STN BO2 DEPTH 0975 LAT 49 55.8 LONG 128 17.9

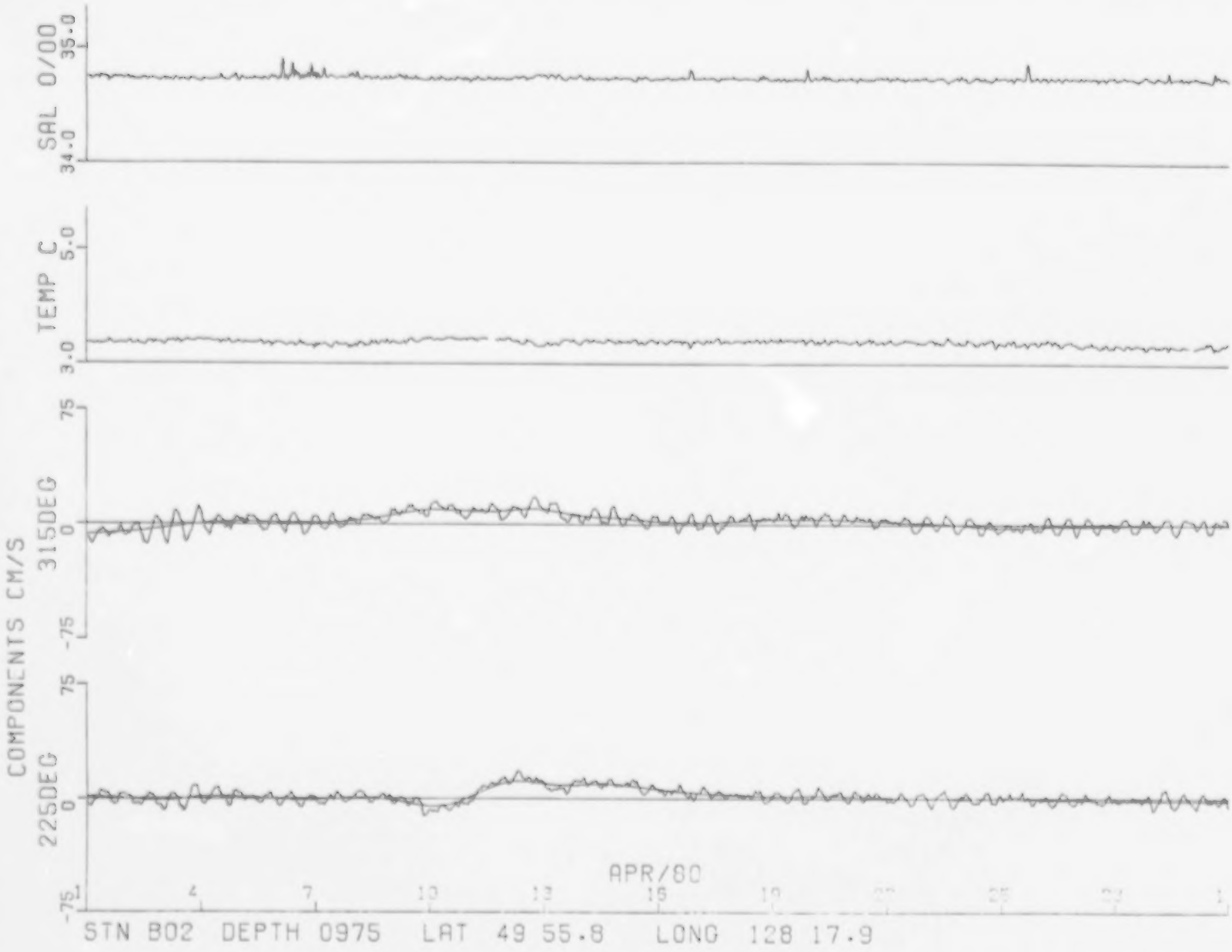

COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
3.0
5.0
SAL 0/00
34.0
35.0
STN B02 DEPTH 0975 LAT 49 55.8 LONG 128 17.9
4
7
10
13
NOV/79
16
19
22
25
28
1


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
DEC/79
STN 802 DEPTH 0975 LAT 49 55.8 LONG 128 17.9


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN B02 DEPTH 0975 LAT 49 55.8 LONG 128 17.9
JAN/80
1
4
7
10
13
16
19
22
25
28
31

COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN 302 DEPTH 0975 LAT 49 55.8 LONG 128 17.9
FEB/80
4
7
10
13
16
19
22
25


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN 802 DEPTH 0975 LAT 49 55.8 LONG 128 17.9


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN B02 DEPTH 0975 LAT 49 55.8 LONG 128 17.9

STN B02 DEPTH 0975 LAT 49 55.8 LONG 128 17.9
MAY/80
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
34.0
35.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn 002 Depth 0975 BROOKS PENINSULA 49 55.8 N 128 17.9 W Length of record=229 Days
Start of record 30 mn 12 hr 23 dy 9 mo 79 yr PST Rate of obser.= 1 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	077	062	010																							149
10- 19	068	036	003																							107
20- 29	061	038	002																							101
30- 39	053	029	001																							83
40- 49	047	034																								81
50- 59	067	041																								108
60- 69	075	040	002																							117
70- 79	066	048	004																							118
80- 89	071	063	008	001																						143
90- 99	075	056	010	001																						142
100-109	054	069	015	002																						140
110-119	066	082	014	004																						166
120-129	077	076	019	007																						179
130-139	076	073	019	009																						177
140-149	056	072	021	009	001																					159
150-159	002	075	017	005	003																					102
160-169	049	068	019	005																						141
170-179	050	061	010	002																						123
180-189	048	050	016																							122
190-199	056	048	005																							109
200-209	055	035	005																							95
210-219	053	039	002																							94
220-229	065	035	004																							104
230-239	047	046	004																							97
240-249	057	057	008																							122
250-259	073	058	010	002	002																					143
260-269	060	071	012	009																						160
270-279	070	092	024	005	001																					192
280-289	072	109	019	001	002																					203
290-299	071	124	030	006																						231
300-309	084	101	039	009																						233
310-319	001	136	028	005																						250
320-329	094	138	032	006																						270
330-339	096	113	016	001																						226
340-349	074	083	022	007																						186
350-359	068	095	017																							180
	2503		96		0		0		0		0		0		0		0		0		0		0		0	5483
	2402		473		9		0		0		0		0		0		0		0		0		0		0	

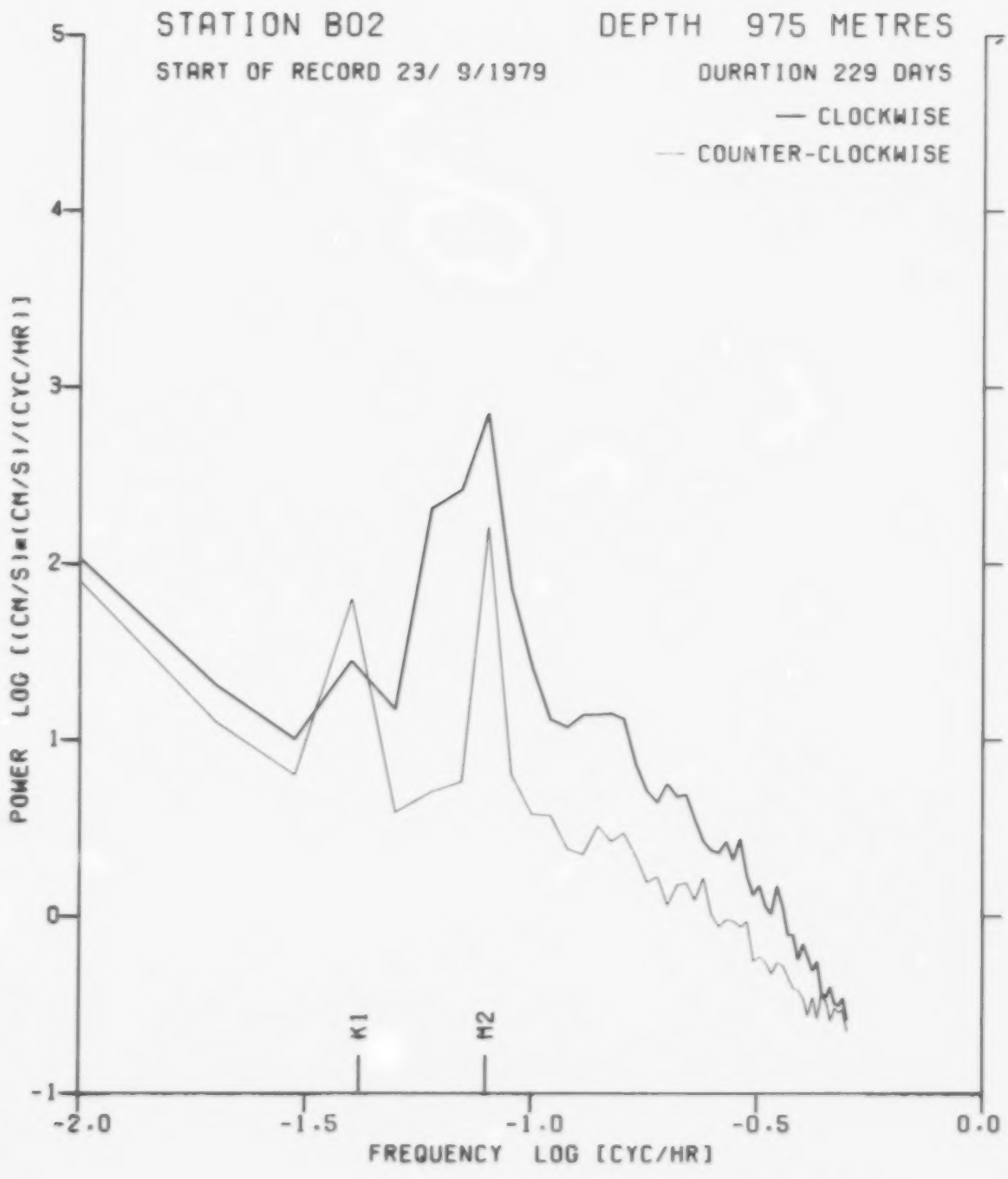
Number of zero rates: 12

BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

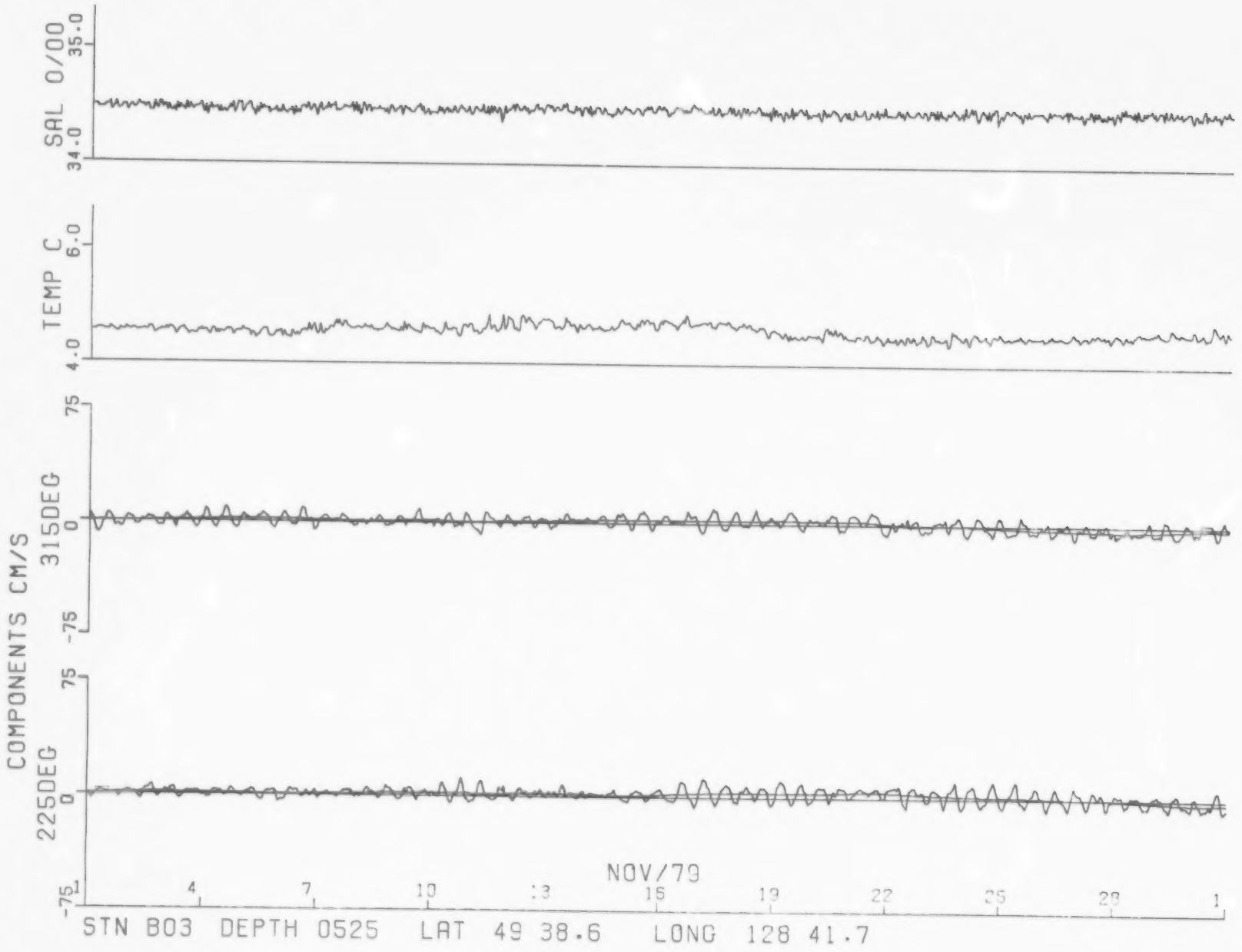
STN	DEPTH	AREA	DAY/YR	NO DAYS
B02	0075M	6700	266/79	229

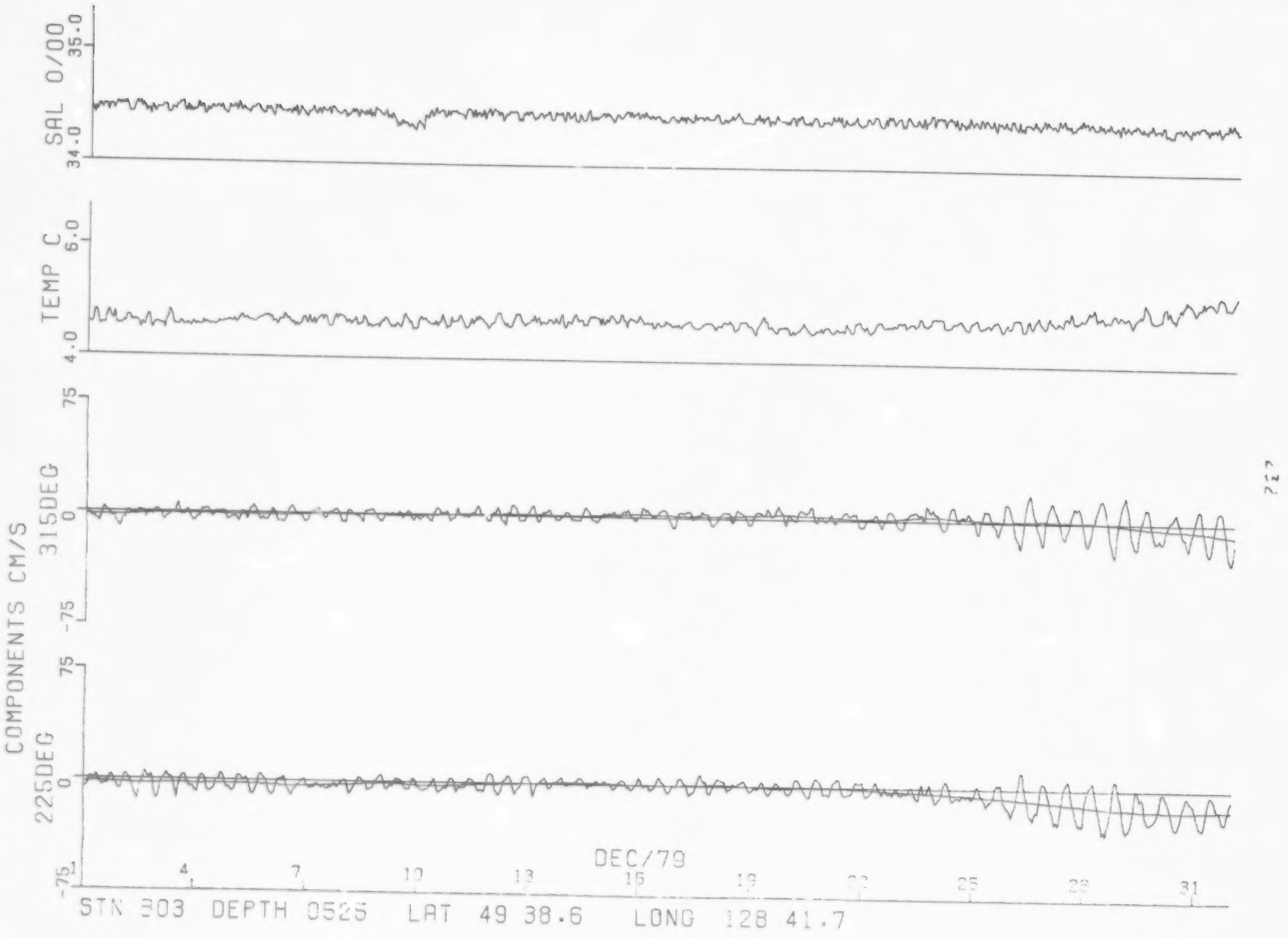
SCALE 50 KM


STATION B02
DEPTH 975 METRES
START OF RECORD 23/ 9/1979
DURATION 229 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

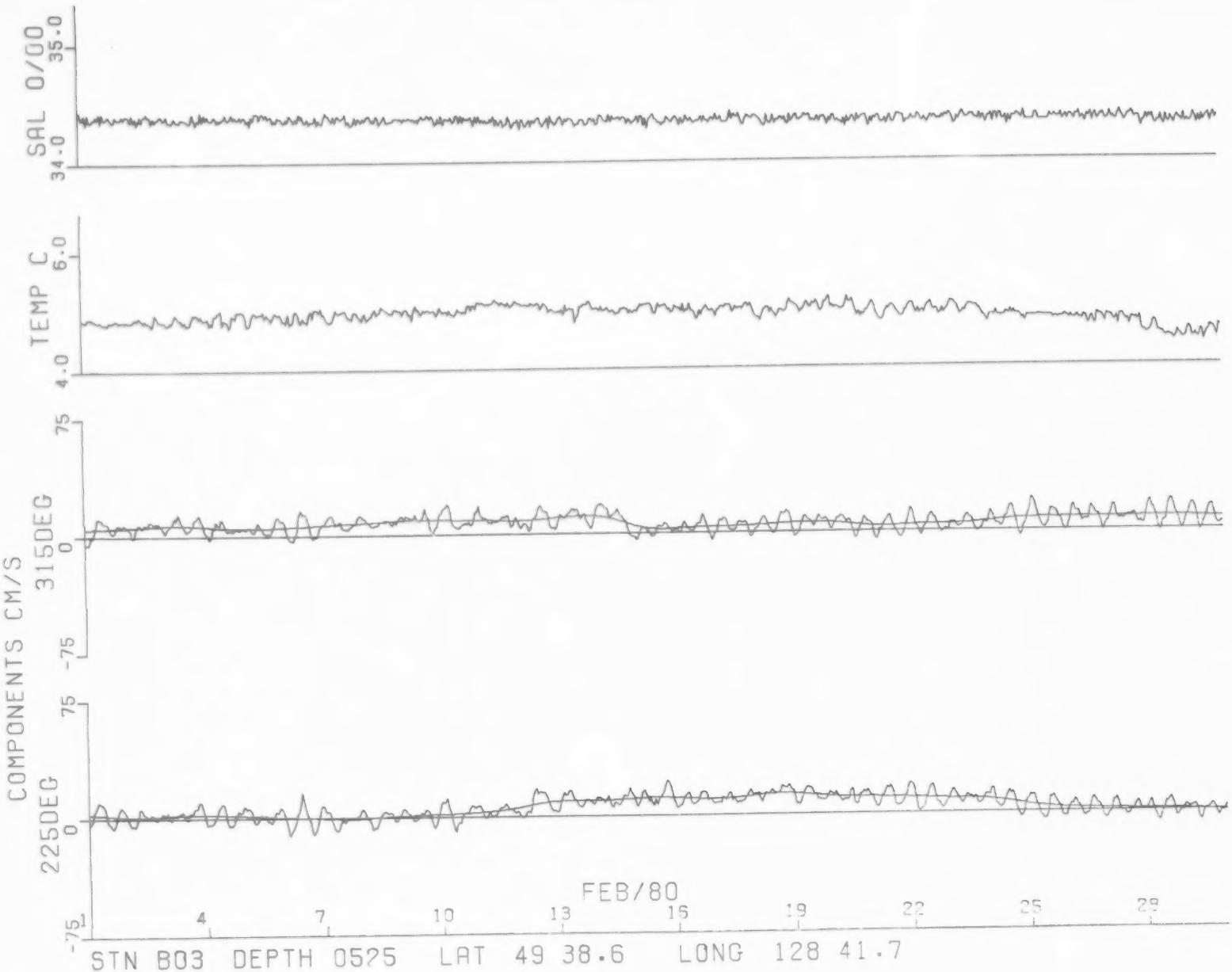
STN B03 DEPTH 0525 LAT 49 38.5 LONG 128 41.7
SEP/79
1
4
7
10
13
16
19
22
25
25
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
34.0
35.0
4.0
6.0
75
0
-75

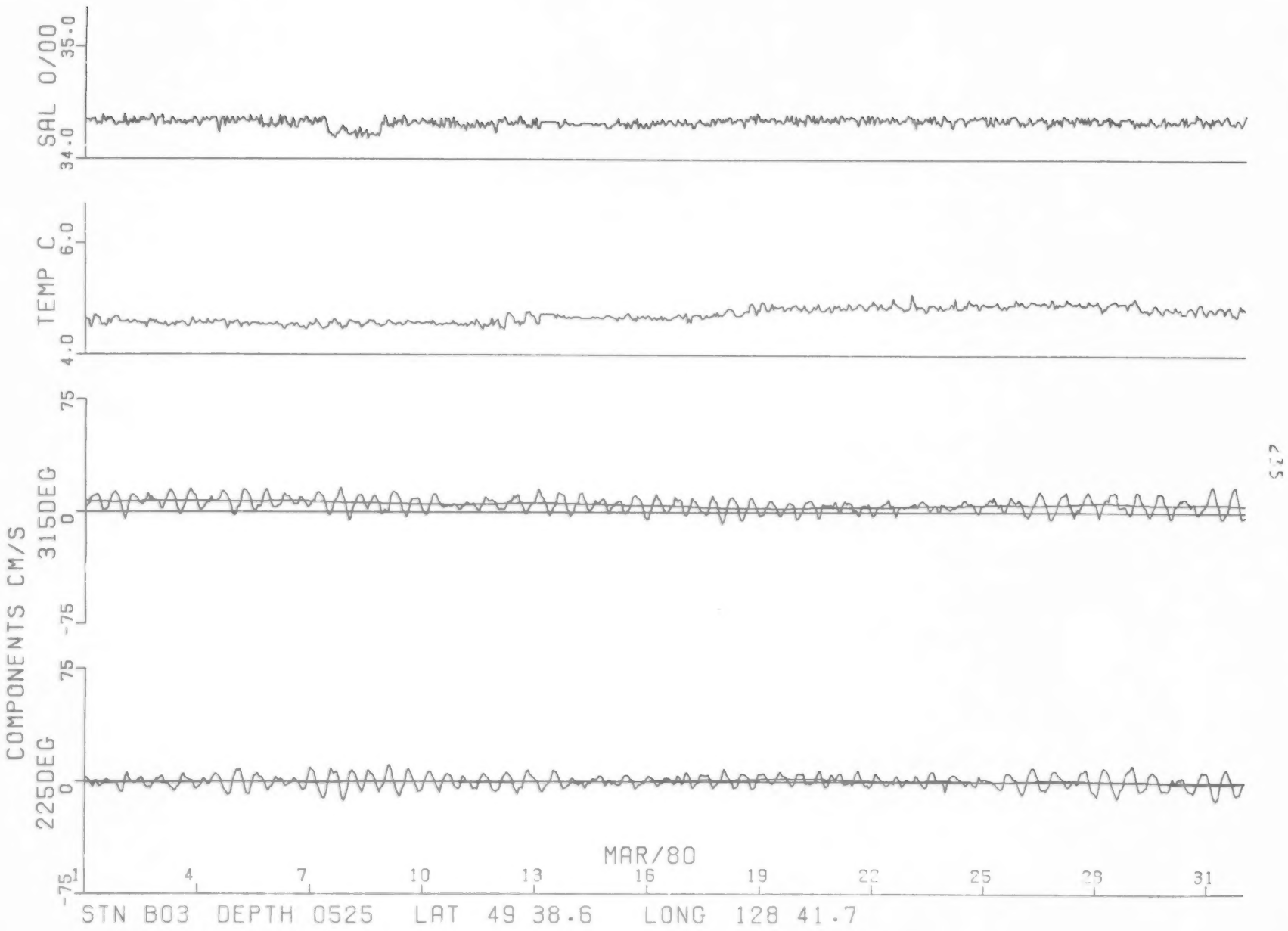
STN 803 DEPTH 0525 LAT 49 38.6 LONG 128 41.7
OCT/79
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
275DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
4.0
6.0
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
1
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 0525 LAT 49 38.6 LONG 128 41.7


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN 303 DEPTH 0525 LAT 49 38.6 LONG 128 41.7

STN B03 DEPTH 0525 LAT 49 38.6 LONG 128 41.7
JAN/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
4.0
6.0
SAL 0/00
34.0
35.0


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
4
7
10
13
16
19
22
25
28
STN B03 DEPTH 0525 LAT 49 38.6 LONG 128 41.7


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0525 LAT 49 38.6 LONG 128 41.7

STN B03 DEPTH 0525 LAT 49 38.6 LONG 128 41.7
APR/80
4
7
10
13
16
19
22
25
28
1
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
4.0
6.0
34.0
35.0

STN B03 DEPTH 0525 LAT 49 38.6 LONG 128 41.7
MAY/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
4.0
6.0
34.0
35.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B03 Depth 0525 BROOKS PENINSULA 49 38.6 N 128 41.7 W Length of record=228 Days
Start of record 30 mn 21 hr 23 dy 9 mo 79 yr PST Rate of obser.= 1 per Hour

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
	CMS/SEC																									
0- 9	051	061	006	004	001																					123
10- 19	048	063	008	006	001	002																				128
20- 29	045	040	007	002	002		001																			97
30- 39	050	042	005	003	003	003																				106
40- 49	039	042	003		004	007	001																			91
50- 59	045	037	004	001	003	002																				92
60- 69	046	036	006	005	005	004																				102
70- 79	036	033	004	003	007	001																				84
80- 89	032	028	009	008	007	003																				87
90- 99	046	029	006	003	003	002	001																			90
100-109	036	037	004	005	003	004	001																			90
110-119	044	035	008	009	003	003	001																			103
120-129	042	034	004	006		002																				88
130-139	044	033	017	005	001																					100
140-149	054	041	011	003																						109
150-159	045	037	008	003	001																					94
160-169	040	053	005		002																					100
170-179	064	046	004	001																						115
180-189	060	045	004	001																						110
190-199	052	055	010	001																						118
200-209	050	075	014	009																						148
210-219	069	063	038	010																						180
220-229	049	104	041	005																						199
230-239	078	092	037	010	001																					218
240-249	062	117	036	017	001																					233
250-259	087	128	034	026	002																					277
260-269	056	111	047	023	005																					242
270-279	088	104	060	017	005																					274
280-289	073	104	055	021	003																					256
290-299	069	125	054	019	001																					268
300-309	073	110	041	012																						236
310-319	065	111	042	006																						224
320-329	069	091	043	008																						211
330-339	063	081	032	005																						181
340-349	038	071	019	005																						133
350-359	061	076	022	004	001																					164
	2390		266		28		0		0		0		0		0		0		0		0		0		0	5471
	1969		748		65		5		0		0		0		0		0		0		0		0		0	

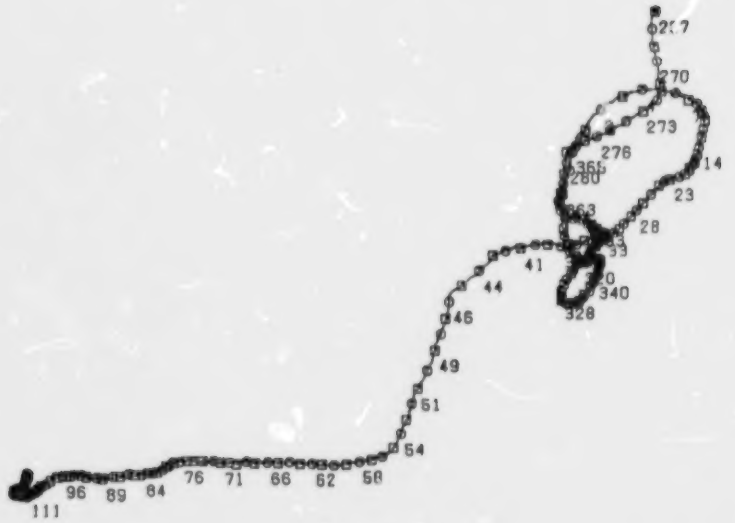
Number of zero rates: 11

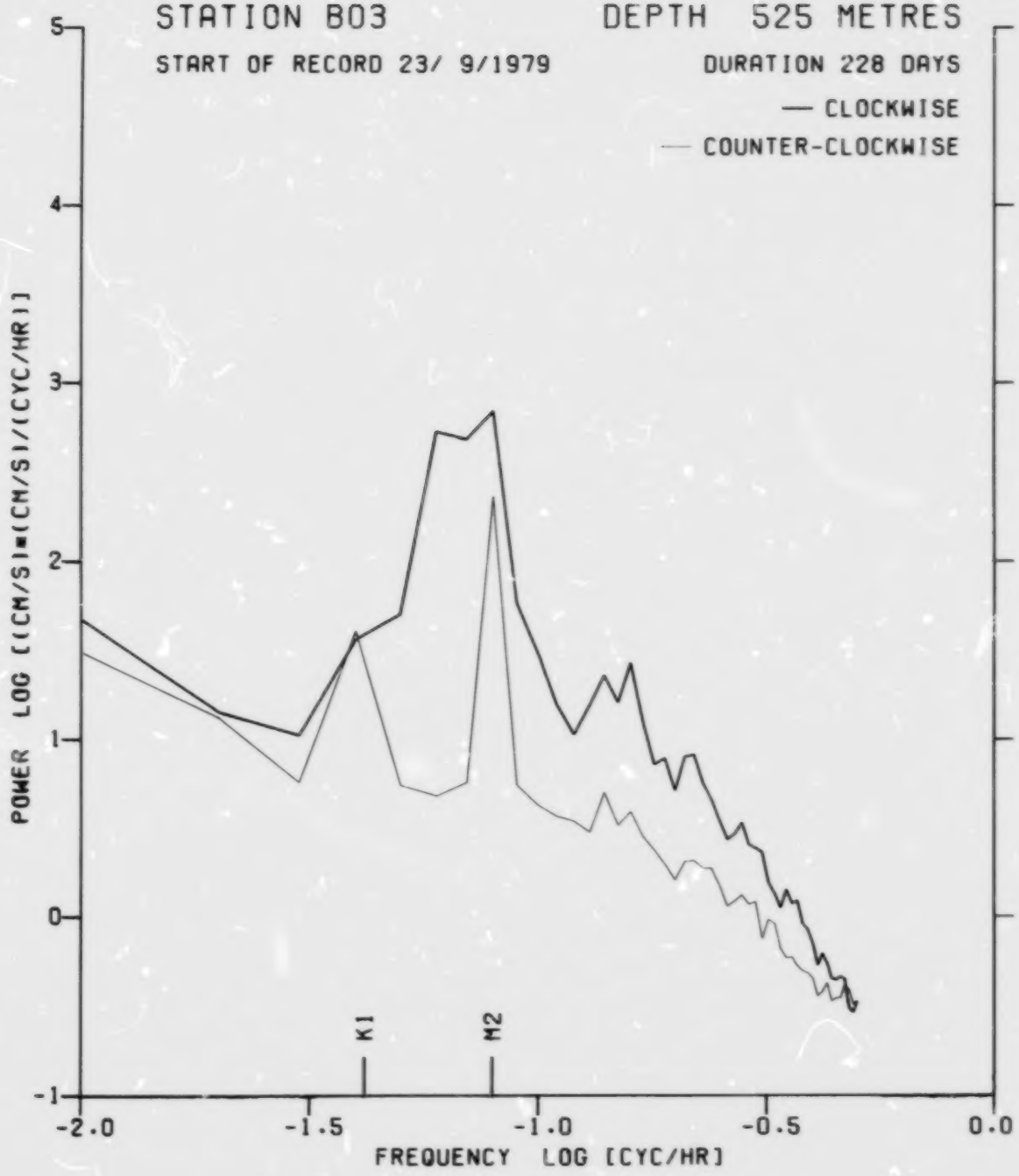
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

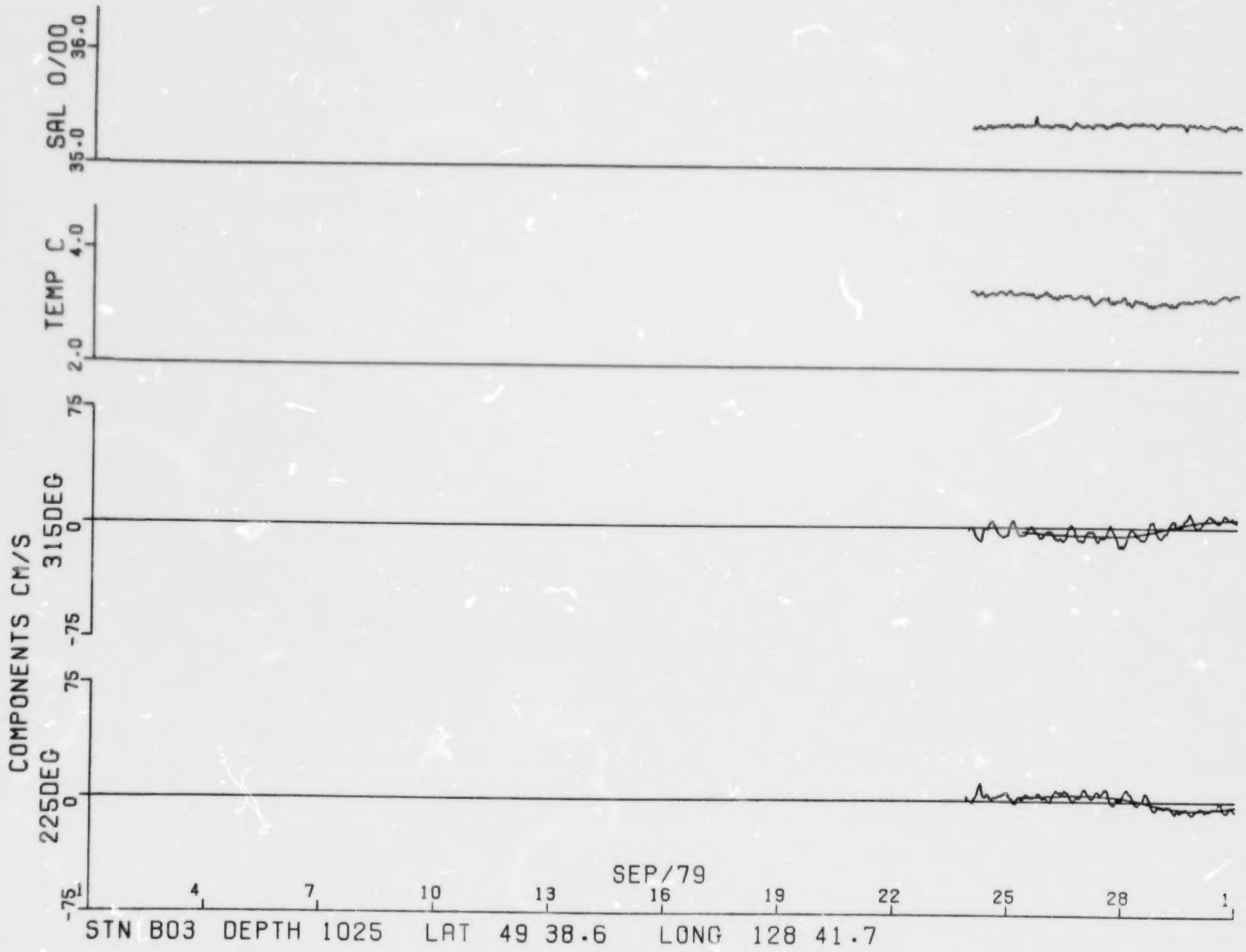
☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

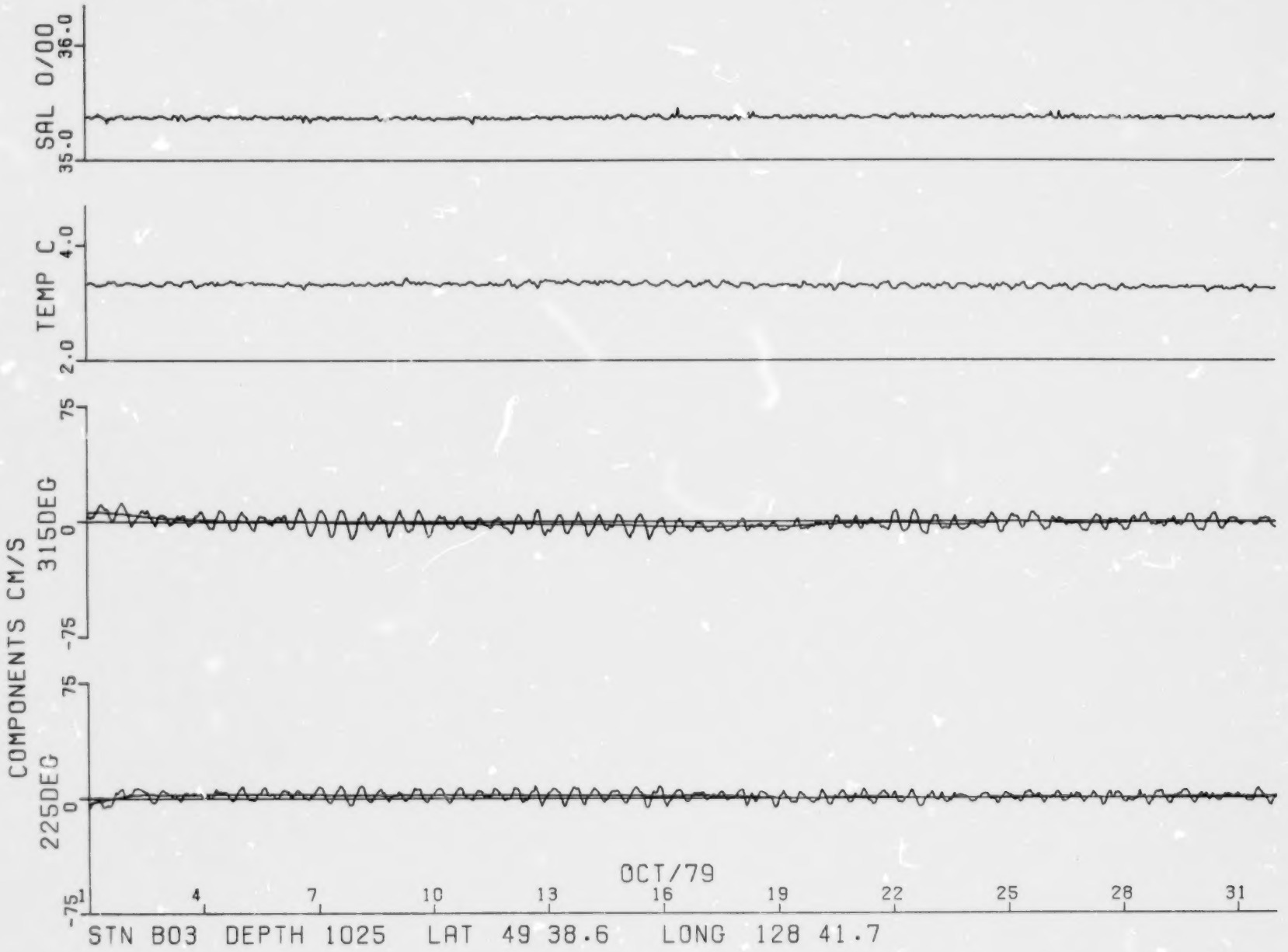
STN	DEPTH	AREA	DAY/YR	NO DAYS
B03	0525M	8700	266/79	228

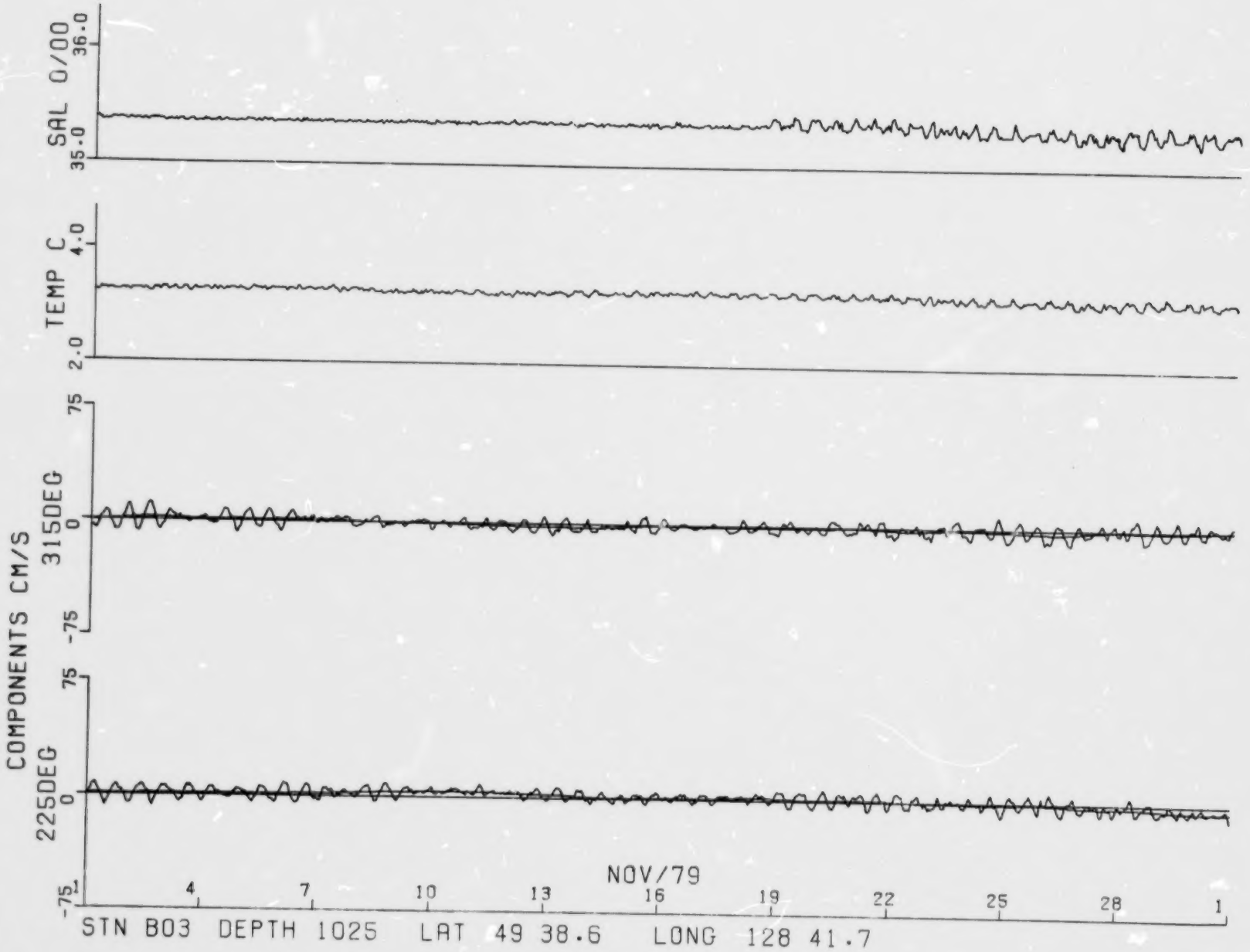
SCALE
100 KM



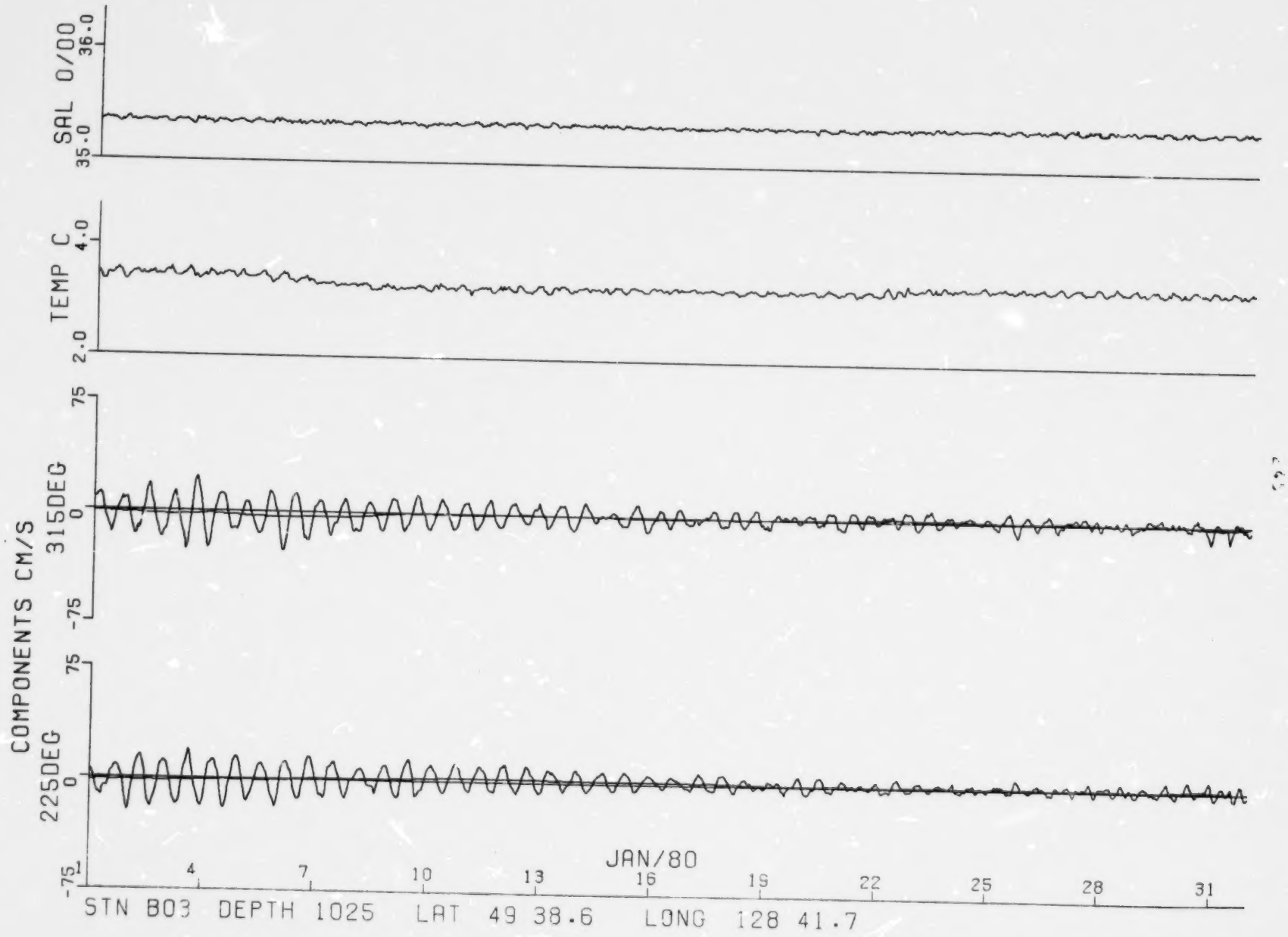

STATION B03
DEPTH 525 METRES
START OF RECORD 23/ 9/1979
DURATION 228 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

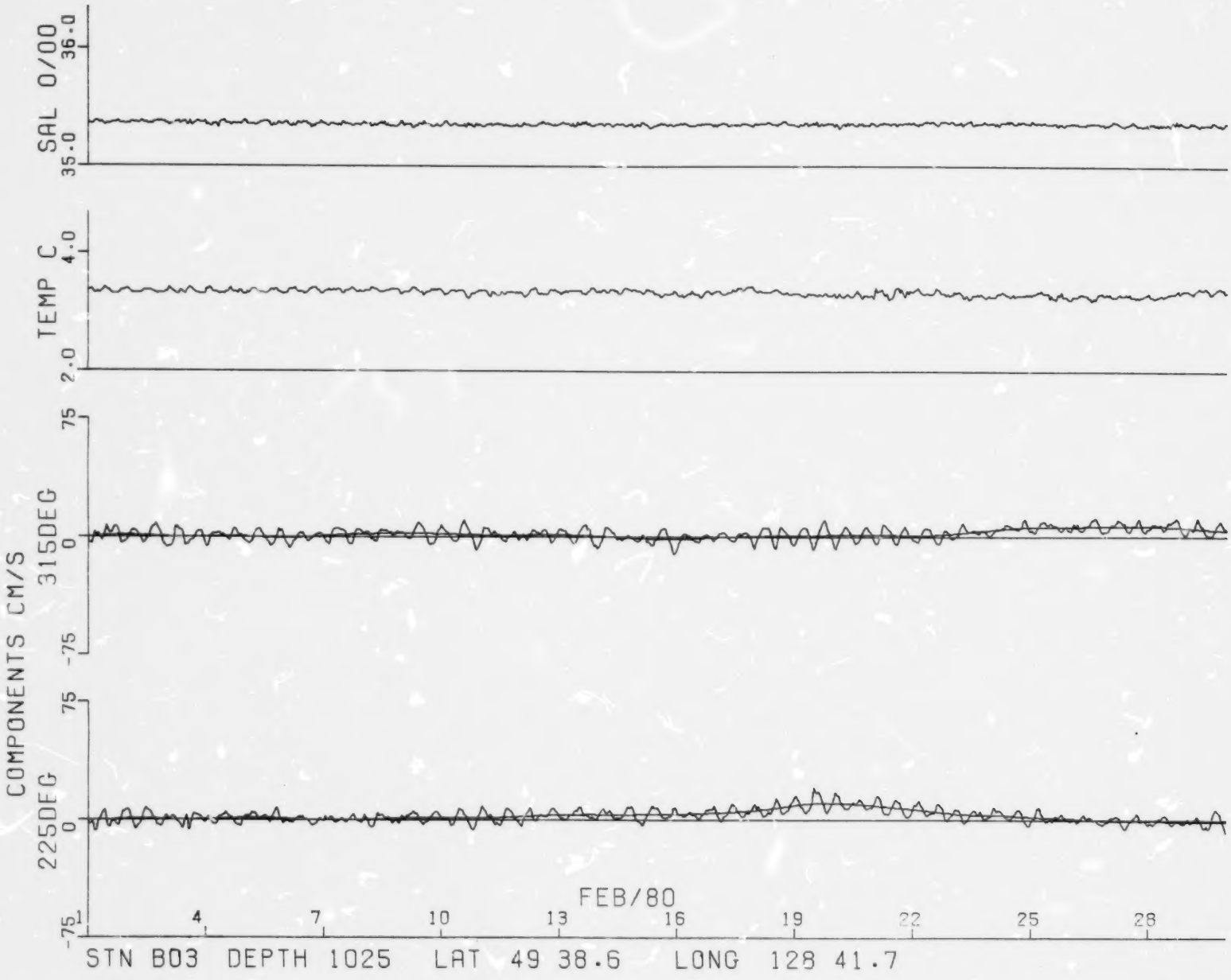

SAL O/OO
35.0
36.0
TEMP C
2.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/79
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 1025 LAT 49 38.6 LONG 128 41.7


SAL O/OO
36.0
35.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/79
1
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 1025 LAT 49 38.6 LONG 128 41.7


SAL O/OO
36.0
35.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 1025 LAT 49 38.6 LONG 128 41.7

STN B03 DEPTH 1025 LAT 49 38.6 LONG 128 41.7
DEC/79
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
2.0
4.0
SAL 0/00
35.0
36.0


SAL O/OO
36.0
35.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
31
JAN/80
STN B03 DEPTH 1025 LAT 49 38.6 LONG 128 41.7


SAL O/OO
36.0
35.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
FEB/80
STN B03 DEPTH 1025 LAT 49 38.6 LONG 128 41.7

SAL 0/00
35.0
36.0
TEMP C
2.0
4.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
SIN B03 DEPTH 1025 LAT 49 38.6 LONG 128 41.7

STN B03 DEPTH 1025 LAT 49 38.6 LONG 128 41.7
APR/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
2.0
4.0
35.0
36.0

STN B03 DEPTH 1025 LAT 49 38.6 LONG 128 41.7
MAY/30
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
75
0
315DEG
75
0
-75
TEMP C
2.0
4.0
SAL 0/00
35.0
36.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B03 Depth 1025 BROOKS PENINSULA 49 38.6 N 128 41.7 W Length of record=228 Days
Start of record 30 mn 21 hr 23 dy 9 mo 79 yr PST Rate of obser.= 1 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	062	043	009	002																						116
10- 19	077	050	009	002																						138
20- 29	071	042	009	001																						123
30- 39	075	038	009	003																						125
40- 49	087	035	002	005																						129
50- 59	075	035	004	004	001																					119
60- 69	059	027	004	003	001																					94
70- 79	069	033	005	002	003																					112
80- 89	076	039	004	002	001																					122
90- 99	089	035	003	001	002																					130
100-109	089	035	007	005	001	001																				138
110-119	093	040	006	002		001																				142
120-129	087	054	004	003	001																					149
130-139	085	058	009	002		002																				156
140-149	100	062	015	003																						180
150-159	101	065	008	002	002																					178
160-169	094	057	009	001																						161
170-179	101	068	003	006																						178
180-189	103	055	009																							167
190-199	092	040	011	001																						144
200-209	115	056	021	005	001																					198
210-219	092	062	014	004																						172
220-229	084	067	006	002																						159
230-239	081	065	011	004																						161
240-249	108	055	009	001																						173
250-259	087	059	009	001																						156
260-269	076	074	007	001	001																					159
270-279	086	094	012																							192
280-289	082	091	013	001	001																					188
290-299	104	082	011																							197
300-309	083	080	014	001																						178
310-319	077	079	015		001																					172
320-329	083	061	011	001																						156
330-339	076	059	006	002																						143
340-349	074	044	017	001																						136
350-359	081	045	005	001																						132
	1984		75		4		0		0		0		0		0		0		0		0		0		0	5473
	3074		320		16		0		0		0		0		0		0		0		0		0		0	

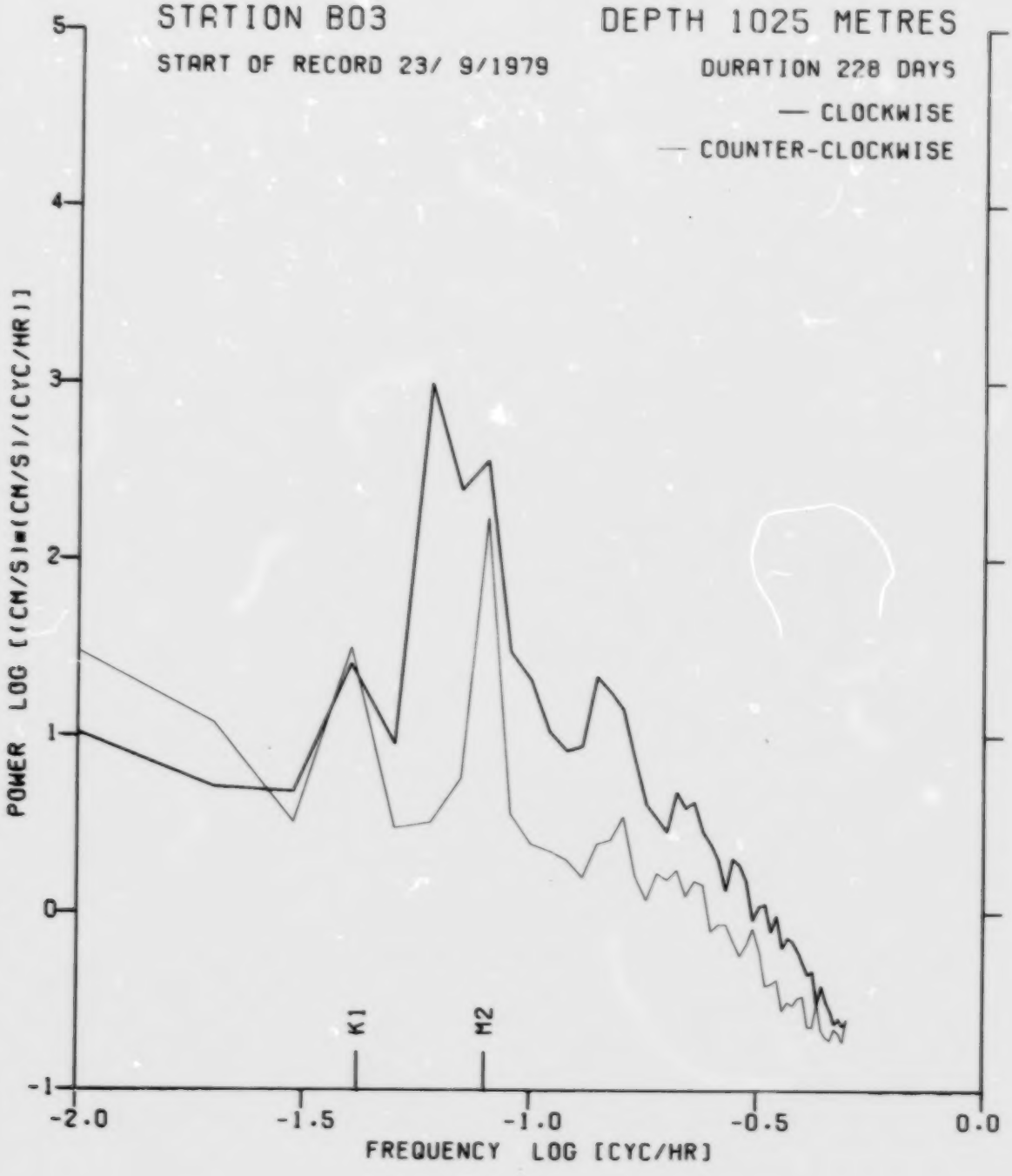
Number of zero rates: 9

BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

☑ODD NUMBERED DAYS
ⓔEVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
B03	1025M	8700	266/79	228

SCALE 100 KM


STATION B03
START OF RECORD 23/ 9/1979
DEPTH 1025 METRES
DURATION 228 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

TIDAL CURRENT ELLIPSE

Stn E3A Depth 0750m ESTEVAN POINT 48 47.7 N 127 09.6 W

Starting time of analysed data 00 Min 22 Hr 15 Day 09 Mon 79 Yr PST
Length of Data 24 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.3	0.0	86.7	0.0
MM	2.8	0.0	128.6	235.9
MSF	1.8	-.5	122.8	329.7
ALP1	.2	0.0	175.3	88.8
2Q1	.2	-.1	147.7	147.9
Q1	.1	.1	104.5	280.8
O1	.6	0.0	103.6	336.8
NO1	.2	-.1	135.2	357.8
K1	1.1	0.0	102.0	353.8
J1	.1	0.0	171.6	90.5
OO1	.1	0.0	9.0	234.2
UPS1	.1	0.0	22.1	346.2
EPS2	.3	-.2	134.0	77.0
MU2	.4	-.3	94.8	315.3
N2	.8	-.4	127.8	30.7
M2	2.3	-.5	161.6	70.2
L2	.3	-.1	72.1	44.9
S2	.5	.1	167.3	97.0
ETA2	.7	-.5	5.6	336.1
MO3	.2	-.2	176.7	273.0
M3	.2	-.1	120.5	202.0
MK3	.2	-.1	45.5	124.6
SK3	.3	-.2	139.1	231.3
MN4	.2	-.1	122.2	310.8
M4	.2	-.1	99.9	32.0
SN4	.2	-.1	117.3	89.7
MS4	.1	-.1	48.4	222.6
S4	.1	-.1	141.1	46.5
2MK5	.1	-.1	40.4	304.7
2SK5	.1	0.0	169.5	331.1
2MN6	.1	0.0	42.3	268.8
M6	0.0	0.0	39.2	78.7
2MS6	.1	0.0	18.0	178.4
2SM6	.1	0.0	176.5	297.8
3MK7	.1	-.1	111.4	291.2
M8	.1	0.0	59.6	201.7

TIDAL CURRENT ELLIPSE

Stn E04 Depth 0570m ESTEVAN POINT 48 57.7 N 127 19.7 W

Starting time of analysed data 00 Min 23 Hr 22 Day 09 Mon 79 Yr PST
Length of Data 171 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.0	0.0	131.4	360.0
MM	2.5	-1.0	83.1	310.0
MSF	.8	-.7	85.1	356.4
ALP1	.1	0.0	108.9	266.1
2Q1	.1	.1	62.2	315.0
Q1	.2	0.0	116.2	95.2
O1	.7	.1	104.5	104.1
NO1	.1	0.0	95.3	77.2
K1	1.2	.1	101.2	115.2
J1	.1	0.0	129.0	23.9
OO1	.1	0.0	98.4	333.9
UPS1	.2	0.0	3.8	107.9
EPS2	.2	-.2	145.3	317.4
MU2	.3	-.2	29.6	216.3
N2	.8	-.3	120.6	329.3
M2	2.7	-.2	90.0	305.9
L2	.1	0.0	50.9	192.3
T2	1.0	-.2	97.9	328.0
ETA2	.2	-.1	177.5	29.0
MO3	.1	0.0	52.8	141.2
M3	0.0	0.0	172.9	240.0
MK3	.2	-.2	121.4	101.0
SK3	.1	-.1	.8	169.6
MN4	.1	-.1	168.4	55.0
M4	.1	-.1	53.1	297.3
SN4	.1	0.0	117.0	118.1
MS4	.1	-.1	89.9	263.8
S4	.1	-.1	5.4	162.5
2MK5	.1	-.1	120.7	81.5
2SK5	.1	0.0	158.5	295.6
2MN6	0.0	0.0	168.0	224.7
M6	.1	0.0	162.5	47.3
2MS6	0.0	0.0	163.2	46.4
2SM6	.1	0.0	54.5	239.2
3MK7	.1	0.0	88.1	256.3
M8	0.0	0.0	24.1	191.4

TIDAL CURRENT ELLIPSE

Stn E04 Depth 0770m ESTEVAN POINT 48 57.7 N 127 19.7 W

Starting time of analysed data 00 Min 23 Hr 22 Day 09 Mon 79 Yr PST
Length of Data 152 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	.9	0.0	123.0	360.0
MM	2.3	-.4	109.9	271.6
MSF	1.0	.1	136.8	282.8
ALP1	.2	0.0	76.8	139.2
2Q1	.1	-.1	167.9	180.2
Q1	.3	0.0	124.8	187.5
O1	.5	.2	106.7	118.9
M01	.2	0.0	109.3	147.4
K1	.9	.1	111.0	124.0
J1	.2	0.0	128.9	303.2
001	.1	.1	111.1	263.0
UPS1	.3	-.1	19.3	192.2
EPS2	.4	-.2	147.2	161.4
MU2	.5	-.3	104.4	20.1
N2	.6	-.1	66.2	263.7
M2	2.1	0.0	103.8	329.0
L2	.9	-.2	108.4	350.2
S2	1.1	-.4	114.8	325.4
ETA2	.5	-.3	54.9	2.4
M03	.1	0.0	26.0	184.0
M3	.1	0.0	129.8	223.8
MK3	.1	0.0	173.8	47.1
SK3	.1	0.0	98.4	24.4
MN4	.1	-.1	127.4	141.2
M4	.1	0.0	27.1	327.0
SN4	.1	0.0	142.0	262.5
MS4	.1	0.0	31.7	19.8
S4	.1	0.0	92.9	80.4
2MK5	0.0	0.0	138.8	218.2
2SK5	.1	0.0	178.7	13.2
2MN6	.1	0.0	61.7	277.3
M6	.1	0.0	122.5	263.4
2MS6	0.0	0.0	177.0	172.7
2SM6	0.0	0.0	59.9	292.1
3MK7	0.0	0.0	79.5	83.8
M8	0.0	0.0	20.8	282.8

TIDAL CURRENT ELLIPSE

Stn E05 Depth 0513m ESTEVAN POINT 48 47.7 N 127 35.1 W

Starting time of analysed data 00 Min 10 Hr 16 Day 09 Mon 79 Yr PST
Length of Data 185 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.1	0.0	125.7	0.0
SSA	1.3	.4	120.8	88.3
MM	1.8	1.1	122.2	64.3
MSF	.5	.5	75.3	86.5
MF	.7	.3	112.2	251.1
ALP1	.1	0.0	133.7	157.8
2Q1	.1	0.0	28.6	138.1
Q1	.2	-.1	85.7	135.2
O1	.6	0.0	110.8	113.1
TAU1	.1	0.0	105.3	74.9
BET1	0.0	0.0	89.6	65.5
NO1	.1	0.0	149.1	115.2
P1	.3	0.0	102.4	115.3
K1	.9	.1	104.4	118.6
PHI1	.1	0.0	155.4	221.3
J1	.1	.1	66.3	115.6
SO1	.1	0.0	50.6	192.7
OO1	.1	0.0	49.4	33.3
UPS1	.1	0.0	22.0	315.5
EPS2	.1	-.1	50.7	286.6
MU2	.3	-.3	151.6	16.9
N2	.9	-.3	97.2	296.3
M2	2.1	.2	98.2	315.8
MKS2	.7	-.2	74.5	36.5
L2	.2	-.2	17[illegible].3	311.1
S2	.6	.1	136.1	8.9
K2	.6	-.3	129.8	24.6
MSN2	.1	0.0	8.1	344.7
ETA2	.2	-.2	21.2	146.4
MO3	.1	0.0	48.5	229.3
M3	.1	0.0	30.8	30.6
SO3	0.0	0.0	1.7	157.2
MK3	.1	0.0	7.9	7.9
SK3	.1	-.1	134.3	172.1
MN4	0.0	0.0	138.2	322.8
M4	.1	0.0	121.9	83.6
SN4	.1	0.0	119.3	70.5
MS4	.1	-.1	108.2	45.8
MK4	.2	-.1	156.3	217.9
S4	0.0	0.0	127.5	220.6
SK4	.1	0.0	48.3	253.1
2MK5	0.0	0.0	50.8	108.2
2SK5	.1	0.0	41.8	143.1
2MN6	0.0	0.0	69.5	300.2
M6	0.0	0.0	14.0	302.0
2MS6	0.0	0.0	178.2	157.4
2MK6	.1	0.0	134.0	109.8
2SM6	0.0	0.0	140.1	191.9
MSK6	.1	0.0	119.3	307.2
3MK7	.1	0.0	87.5	331.3

Continued

Stn E05 Depth 0513m ESTEVAN POINT 48 47.7 N 127 35.1 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
M8	0.0	0.0	136.9	339.7

TIDAL CURRENT ELLIPSE

Stn 803 Depth 1025m BROOKS PENINSULA 49 38.6 N 128 41.7 W

Starting time of analysed data 30 Min 21 Hr 23 Day 09 Mon 79 Yr PST
Length of Data 228 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	.7	0.0	15.5	180.0
SSA	1.7	.6	2.1	126.9
MSM	1.3	.2	49.6	234.3
MM	.6	0.0	140.3	30.8
MSF	.8	.1	97.6	280.3
MF	.3	-.1	24.5	211.1
ALP1	.1	0.0	150.1	304.2
2Q1	.1	0.0	37.1	72.7
SIG1	0.0	0.0	1.2	217.8
Q1	.1	0.0	154.6	120.0
RHO1	.1	0.0	139.5	114.7
O1	.7	0.0	138.0	110.5
TAU1	.1	0.0	69.2	100.5
BET1	.1	0.0	105.1	57.8
NO1	.1	0.0	160.7	91.7
CHI1	.1	0.0	110.4	359.3
P1	.4	0.0	143.3	107.9
K1	1.1	.1	137.2	108.4
PHI1	0.0	0.0	17.5	193.0
THE1	.1	0.0	156.5	353.6
J1	.1	-.1	74.1	68.9
SO1	.1	0.0	.8	24.3
OO1	.1	-.1	44.4	304.9
UPS1	0.0	0.0	179.1	178.6
OQ2	.3	-.2	18.0	26.3
EPS2	.2	-.2	164.9	300.1
2N2	.1	0.0	132.1	271.4
MU2	.3	-.2	64.3	254.8
N2	.6	-.2	124.5	324.0
NU2	.1	-.1	63.2	259.2
M2	2.2	.5	145.1	.3
MKS2	.8	-.5	57.6	225.9
LDA2	.3	-.2	9.3	351.0
L2	.4	-.2	176.1	78.9
S2	.6	.4	128.8	2.3
K2	.2	0.0	99.6	330.7
MSN2	.2	-.1	70.3	131.1
ETA2	.3	-.1	45.9	294.4
MO3	.1	-.1	113.2	252.8
M3	.1	0.0	49.0	38.9
SO3	.1	0.0	44.0	323.5
MK3	.2	-.1	29.6	308.2
SK3	.1	0.0	159.4	215.6
MN4	.1	0.0	30.6	137.7
M4	.2	0.0	95.9	35.0
SN4	.1	0.0	97.8	127.8
MS4	.1	0.0	23.8	162.0
MK4	.1	0.0	156.4	125.7
S4	.1	0.0	174.9	314.5
SK4	.1	0.0	155.6	47.0

Continued

Stn 803 Depth 1025m BROOKS PENINSULA 49 33.6 N 128 41.7 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	0.0	0.0	153.9	67.5
2SK5	0.0	0.0	30.9	31.2
2MN6	.1	0.0	141.3	204.5
M6	.1	0.0	84.0	294.9
2MS6	.1	0.0	72.9	253.8
2MK6	0.0	0.0	36.8	78.9
2SM6	.1	0.0	143.4	16.8
MSK6	0.0	0.0	94.4	314.4
3MK7	0.0	0.0	71.3	93.9
M8	0.0	0.0	135.8	34.5

PART

4

DATA RECORD OF CURRENT OBSERVATIONS
VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)
PART 4

W.S. Huggett, W.R. Crawford, R.E. Thomson, M.V. Woodward

INSTITUTE OF OCEAN SCIENCES

SIDNEY, B.C.

DATA RECORD OF CURRENT OBSERVATIONS

VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)

PART 4

W.S. Huggett, W.R. Crawford, R.E. Thomson, M.J. Woodward

INSTITUTE OF OCEAN SCIENCES

SIDNEY, B.C.

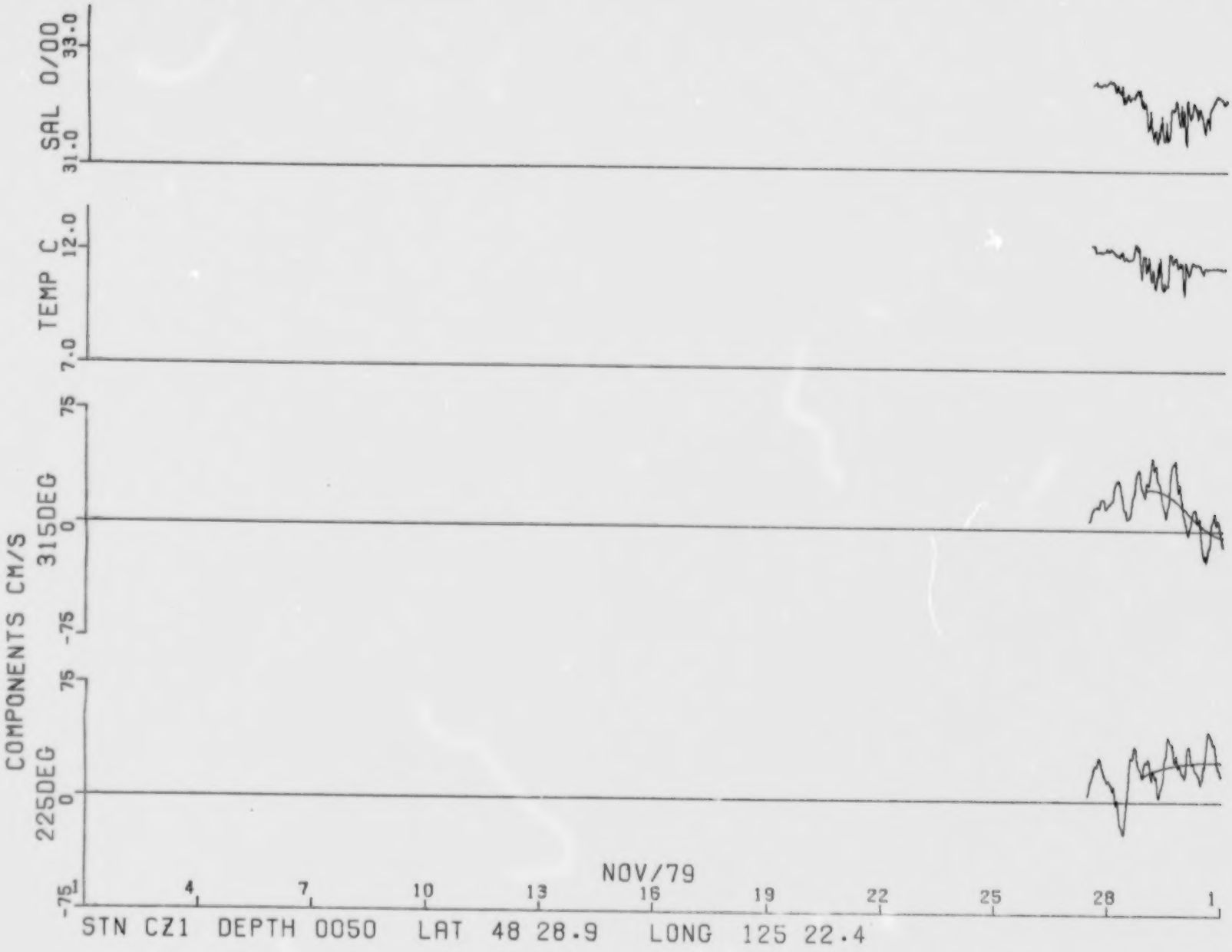
1987

ABSTRACT

Current meter data from the west coast of Vancouver Island for the years 1979-81 are summarized. Temperature and salinity measurements coincident with the current observations are also shown. Tidal data from both onshore and offshore pressure gauges are given in Part 1.

INDEX

Station	Depth	Start Time					Length		Page
CZ1	50	30	11	27	11	79	146		1
CZ1	50						242	Harmonic Analysis	241
CZ1	100	30	11	27	11	79	146		12
CZ1	100						242	Harmonic Analysis	243
CZ2	50		15	27	11	79	69		22
CZ2	50		17	07	02	80	169		30
CZ2	50						242	Harmonic Analysis	245
CZ2	100		15	27	11	79	69		40
CZ2	100		17	07	02	80	169		48
CZ2	100						242	Harmonic Analysis	247
CZ3	50		14	07	02	80	97		58
CZ3	100		15	07	02	80	97		66
CZ4	50		13	07	02	80	124		73
CZ4	100		13	07	02	80	124		81
CZ4	250		13	07	02	80	124		89
CZ4	500		13	07	02	80	124		97
E01	45	30	11	23	01	80	100		105
E01	84	30	11	23	01	80	100		113
E02	49	30	10	23	01	80	93		122
E02	118	30	10	23	01	80	100		129
E03	63		16	22	01	80	54		137
E03	63							Harmonic Analysis	249
E03	358		16	22	01	80	100		143
E03	558		16	22	01	80	101		151
E03	755		16	22	01	80	101		159
E04	84	30	10	26	01	80	79		168
E04	84							Harmonic Analysis	250
E04	378	30	14	22	01	80	101		175
E04	578	30	14	22	01		50		183
E04	778	30	14	22	01	80	31		190
E04	1028	30	14	22	01	80	101		195
E04	1278	30	14	22	01	80	101		203
E05	63	30	14	22	01	80	101		211
E05	510		11	22	01	80	57		219
E05	1010	30	11	22	01	80	101		225
E05	1510	30	11	22	01	80	101		233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225DEG
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0
-75
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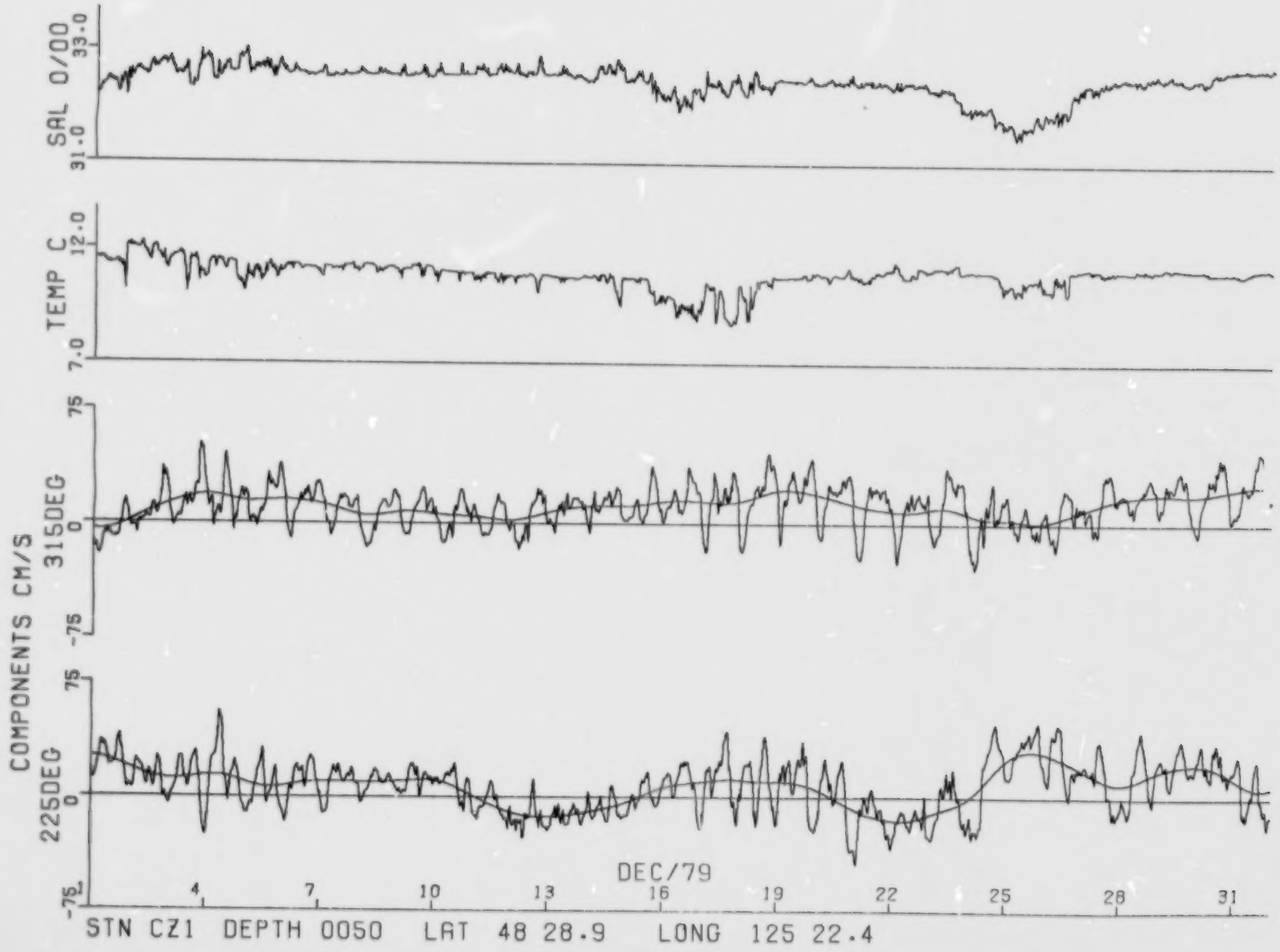
13
16
19
22
25
28
1
STN CZ1 DEPTH 0050 LAT 48 28.9 LONG 125 22.4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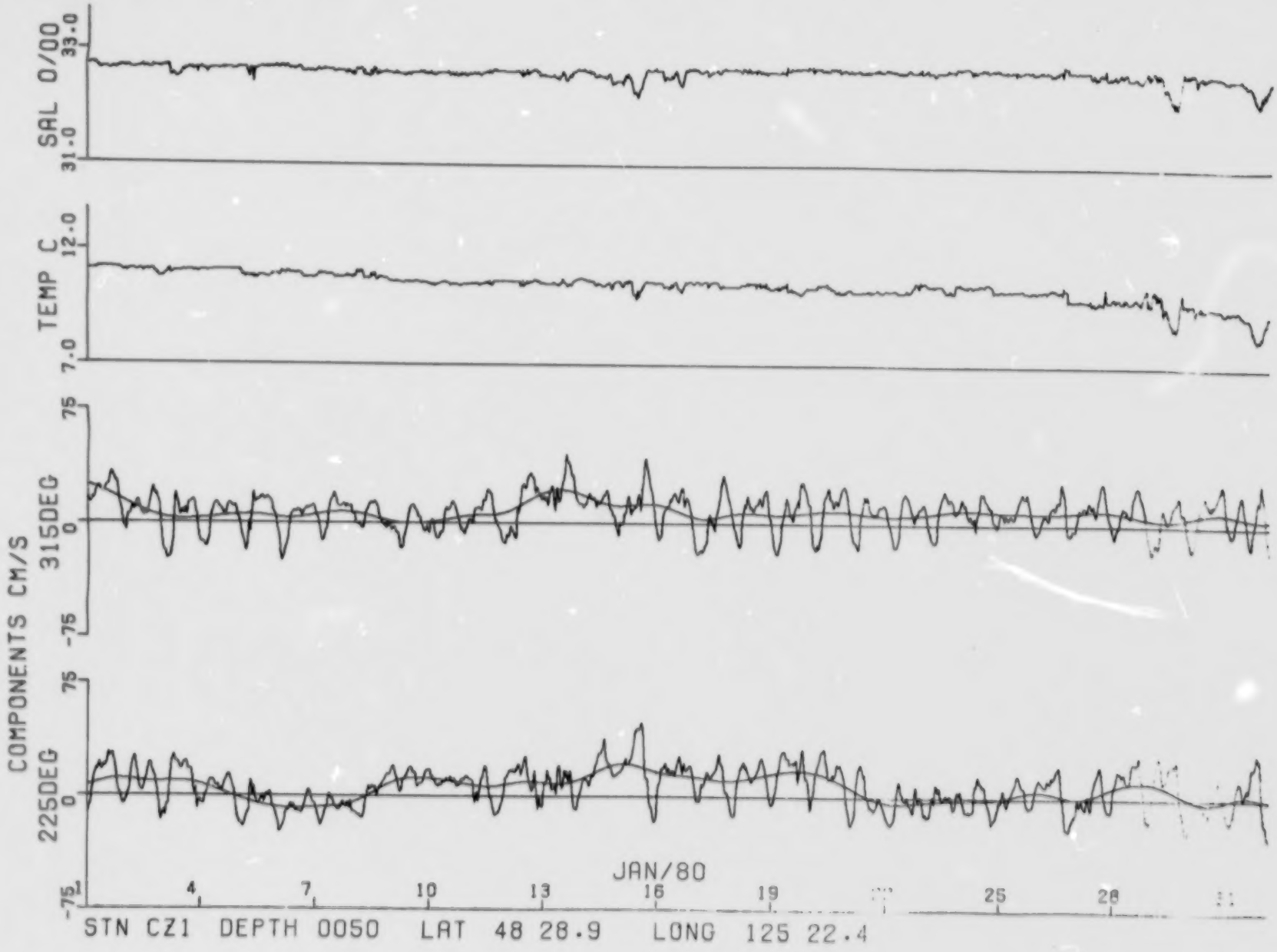
STN CZ1 DEPTH 0050 LAT 48 28.9 LONG 125 22.4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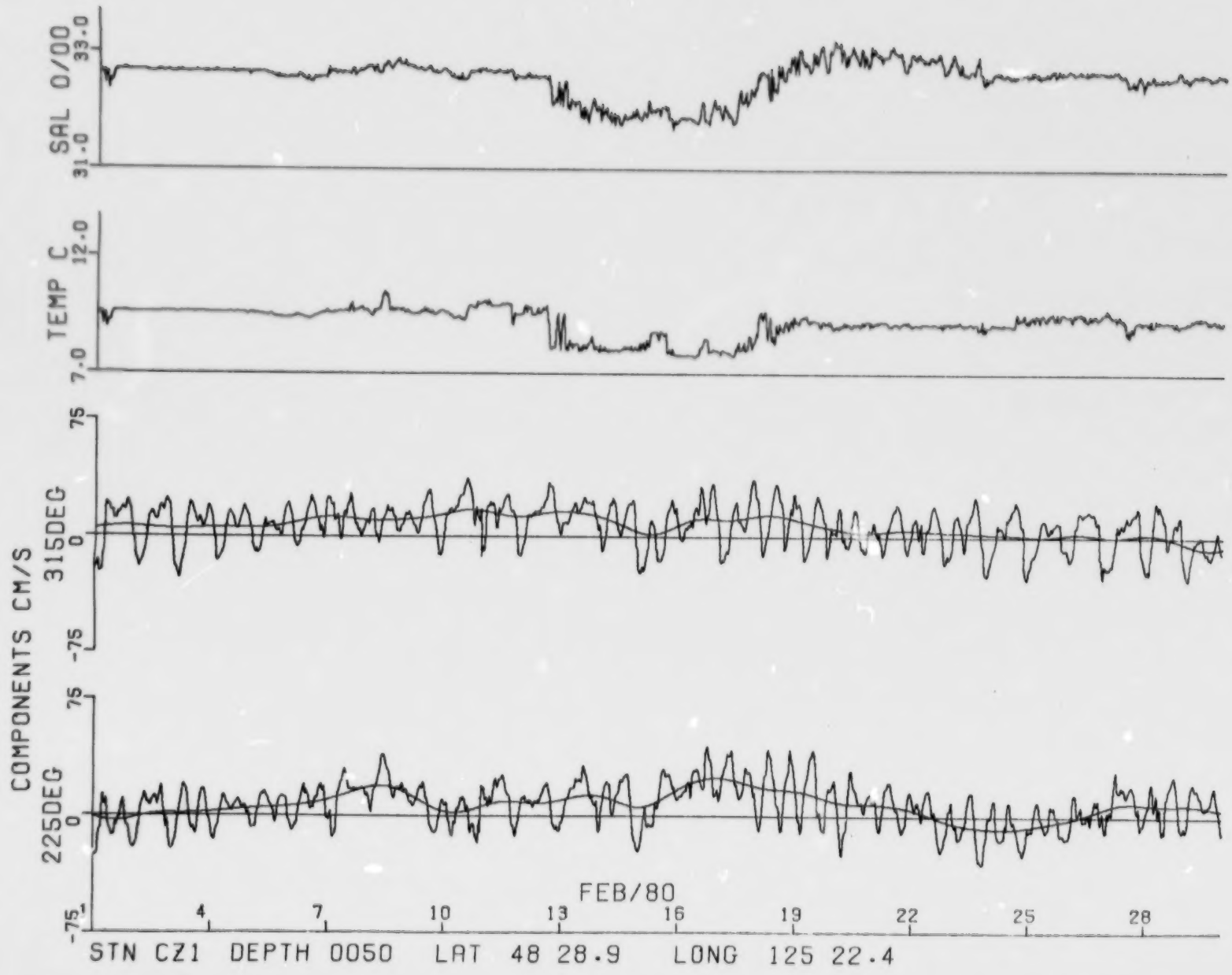
STN CZ1 DEPTH 0050 LAT 48 28.9 LONG 125 22.4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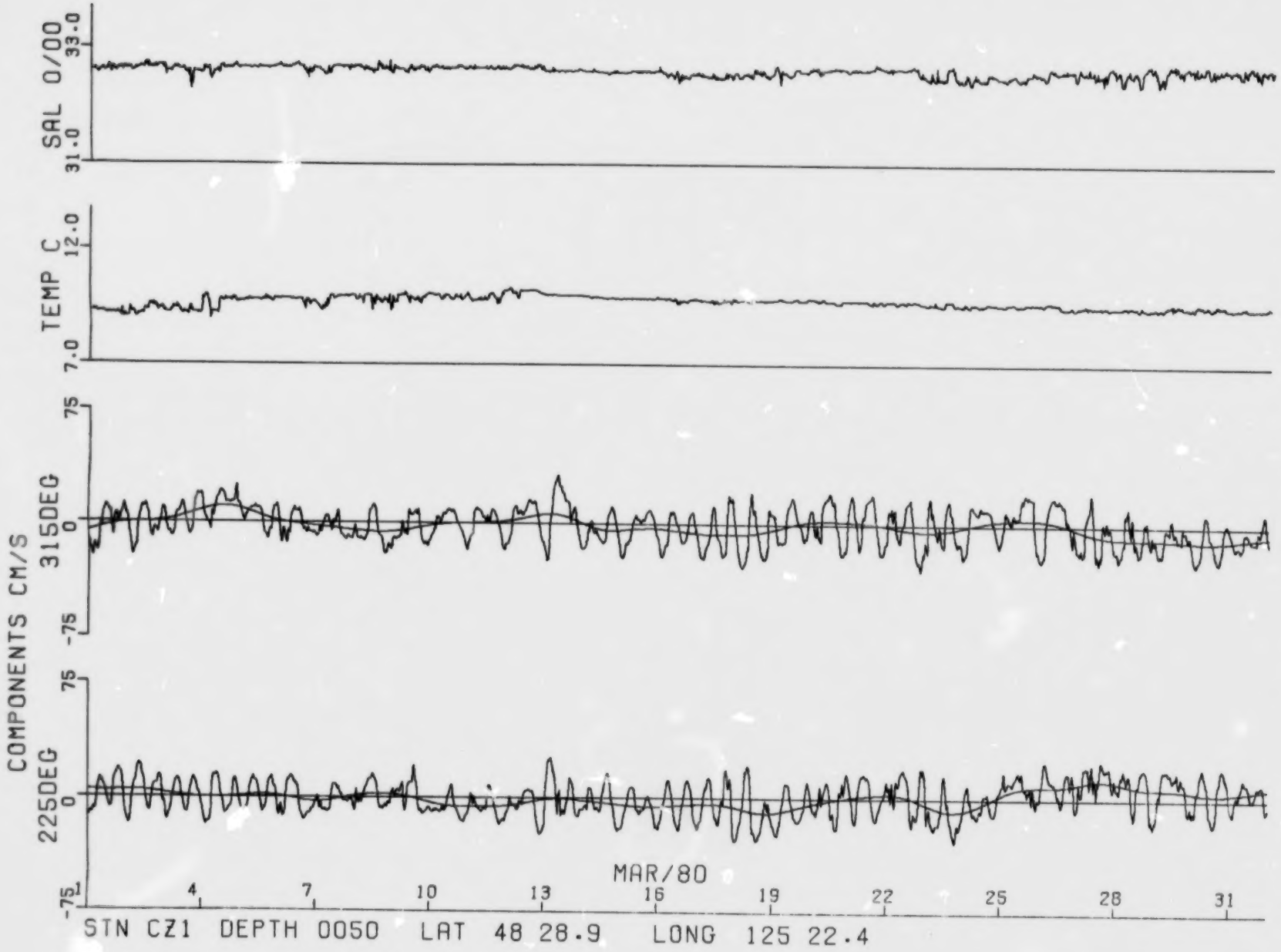
28
STN CZ1 DEPTH 0050 LAT 48 28.9 LONG 125 22.4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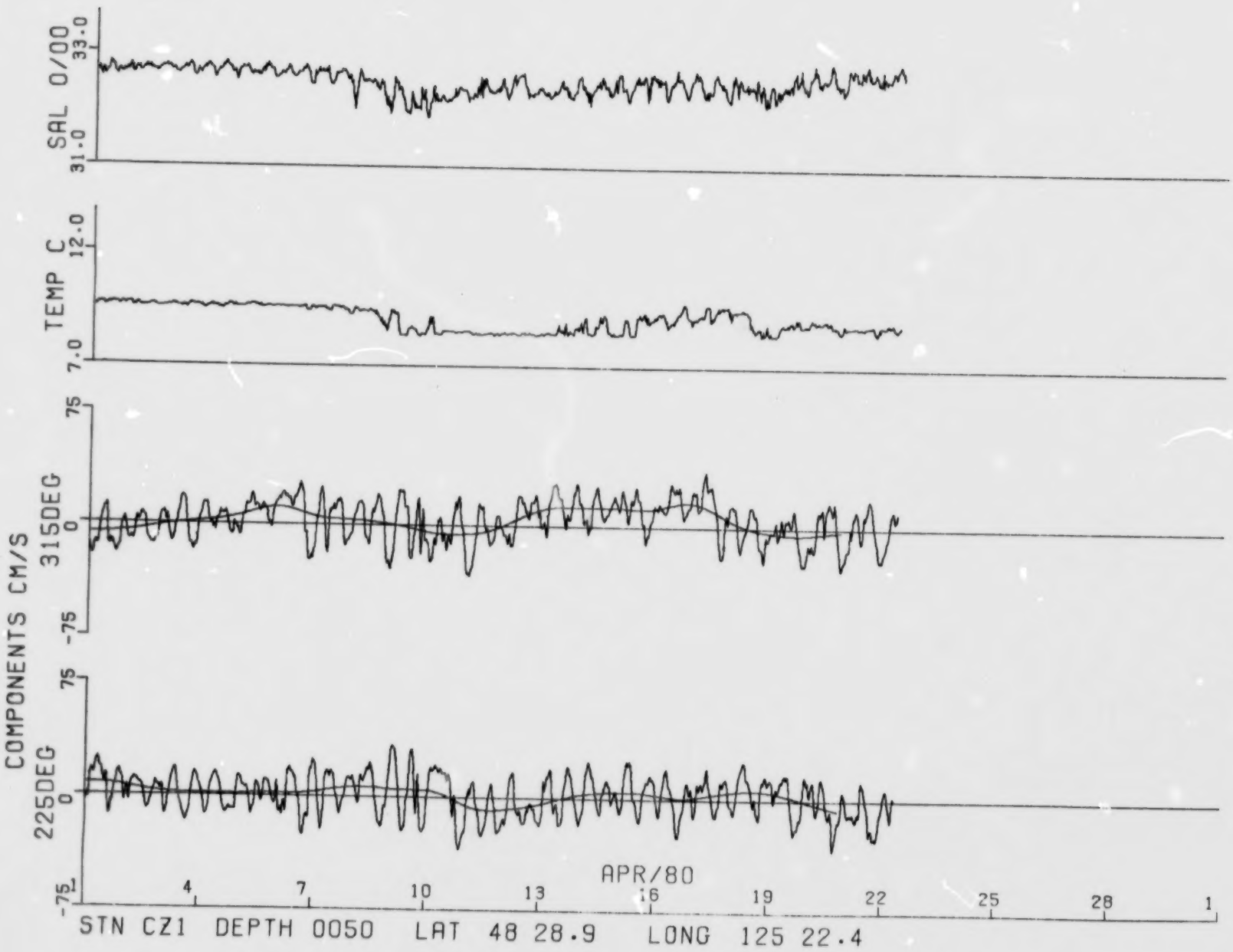
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APR/80
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16
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22
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28
1
STN CZ1 DEPTH 0050 LAT 48 28.9 LONG 125 22.4

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ1 Depth 0050 PACHENA POINT 48 28.9 N 125 22.4 W Length of record .EQ. 146 Days
Start of record 38 mn 11 hr 27 dy 11 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		030	063	045	017	007																				162
10- 19		023	044	034	021	007			001																	130
20- 29		033	040	037	012	007		001																		130
30- 39	002	026	053	021	014	003	001	001																		121
40- 49	001	014	037	033	020	009	003																			117
50- 59	002	014	032	021	019	009	005	001																		103
60- 69	002	019	033	031	026	011	003	003																		128
70- 79	001	017	031	027	033	013	007	001	002	002																134
80- 89		021	024	031	032	013	021	002																		144
90- 99		012	037	037	021	023	010	005	001																	146
100-109		011	033	029	025	023	007	002																		130
110-119	001	014	040	031	030	014	001																			131
120-129		017	043	027	019	006	001																			113
130-139		018	037	032	017	009	001																			114
140-149		013	027	026	019	002																				87
150-159		014	041	033	025																					113
160-169	002	018	035	025	013	002																				95
170-179	001	011	033	033	016	006																				100
180-189	001	019	035	025	026	002	003																			111
190-199	001	020	044	026	019	005	006																			121
200-209	001	018	053	038	021	011	006	003	003																	154
210-219	001	024	050	056	019	013	011	009	008	005																196
220-229		025	039	066	033	010	006	008	006	004																197
230-239	001	017	070	067	043	013	009	017	005	006		001														249
240-249	002	026	066	098	083	030	022	016	018	013	001	001														376
250-259		022	071	073	091	066	040	019	016	008	003		002													411
260-269	001	031	084	110	099	072	055	027	013	008	004	001														505
270-279		021	066	097	089	072	058	026	026	014	003	008														480
280-289	002	024	049	076	077	057	041	018	015	010	002	003														374
290-299		026	046	077	075	036	024	014	010	008	002	001														319
300-309		023	046	069	062	033	023	010	001	001	002															270
310-319		021	050	081	049	025	021	007		004																258
320-329	001	020	054	075	041	012	007		004	001																215
330-339	001	029	073	060	045	006	006	001		001																222
340-349	003	021	066	070	031	007	002	001	001	001																203
350-359	004	034	063	050	021	006	003		001																	190
	746		1775		640		192		86		15		0		0		0		0		0		0		0	7049
	31		1700		1303		483		131		17		2		0		0		0		0		0		0	

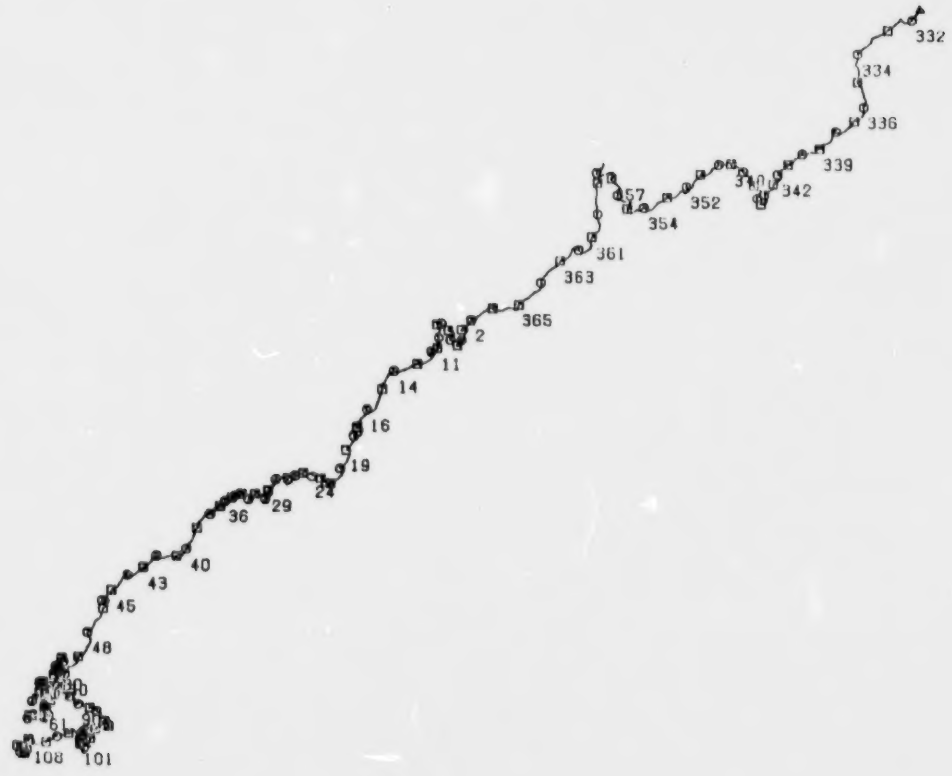
Number of zero rates: 0

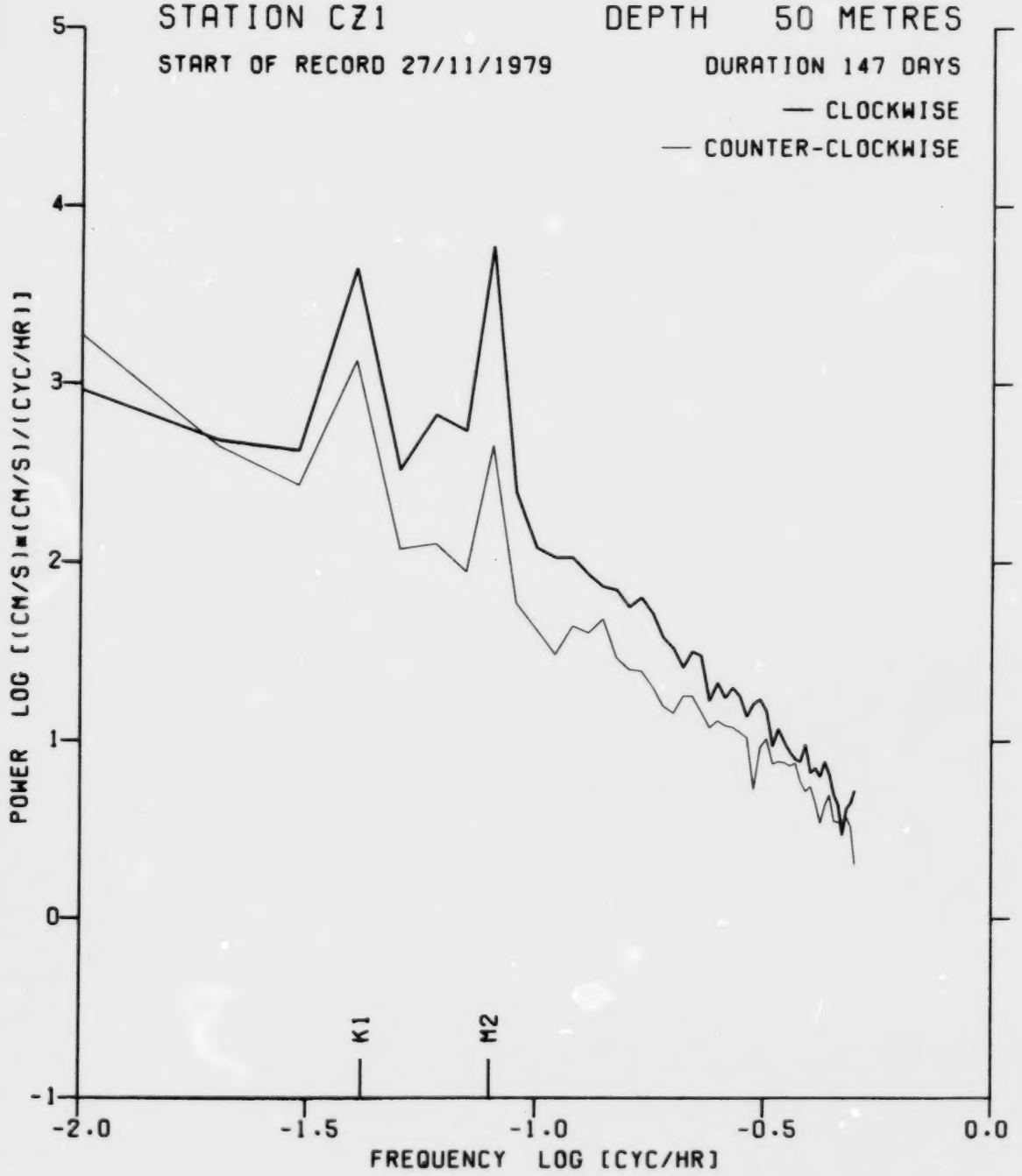
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

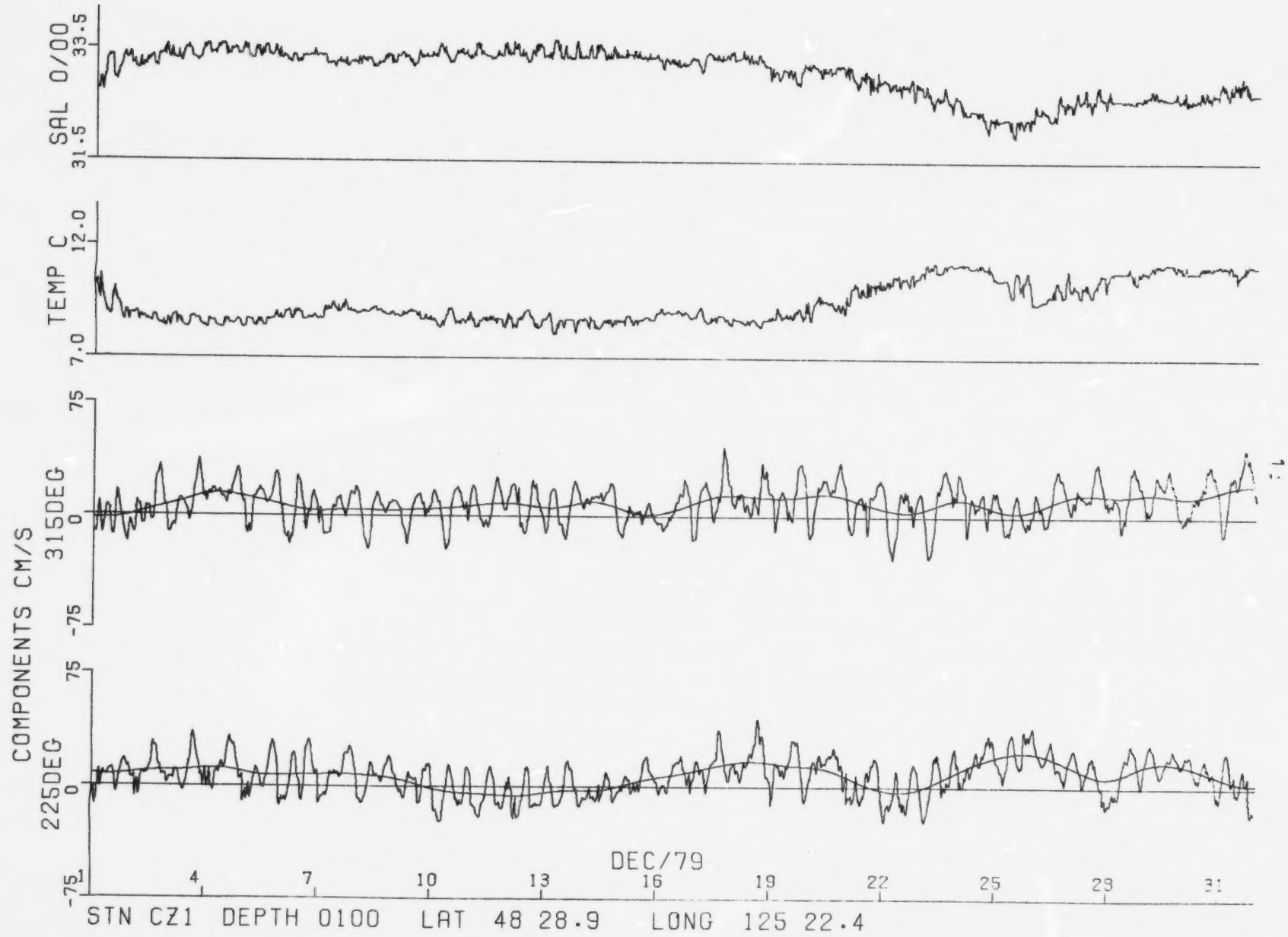
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ1	0050M	8500	331/79	147

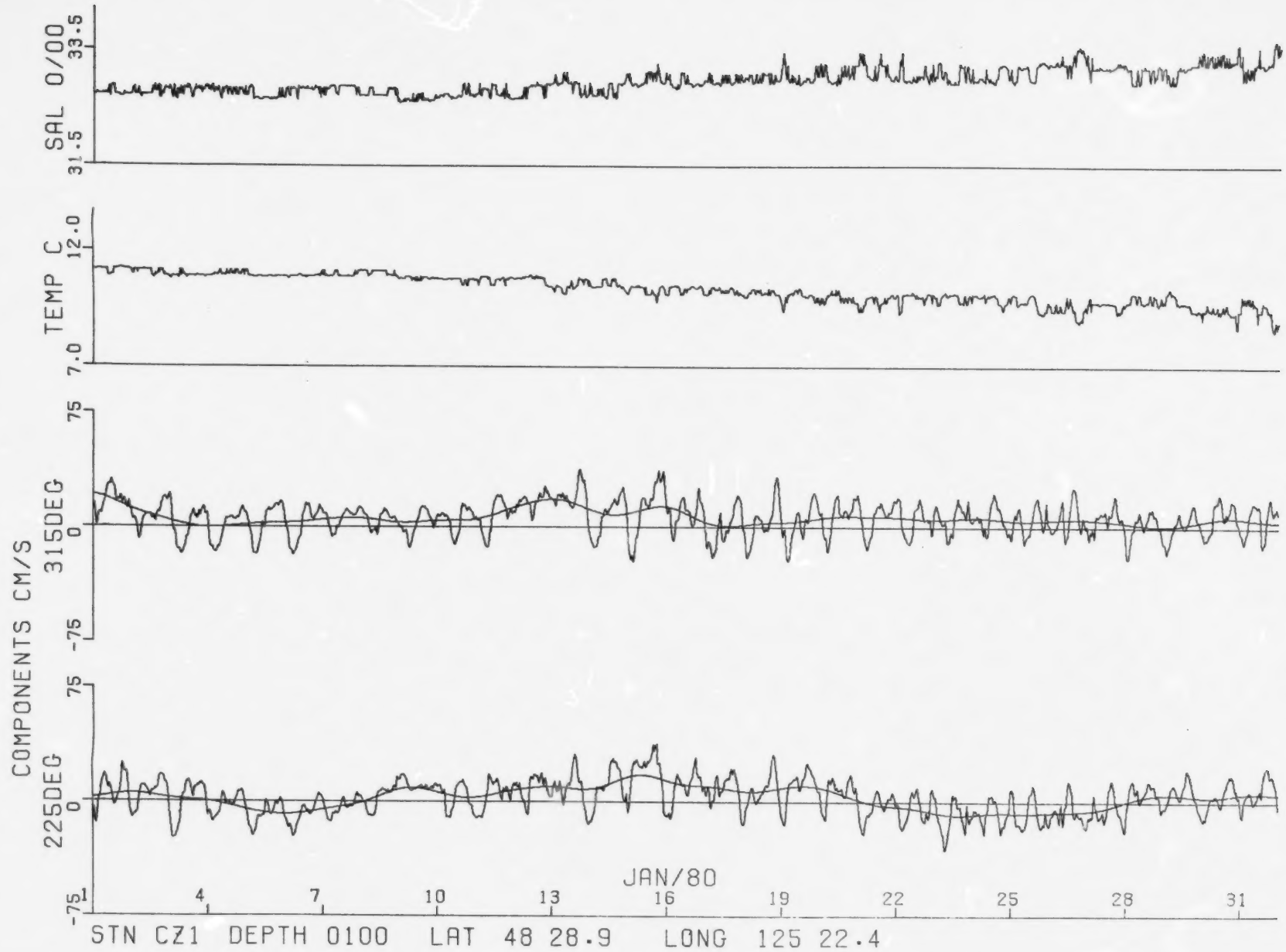
SCALE ⊢—|—|—⊣
100 KM

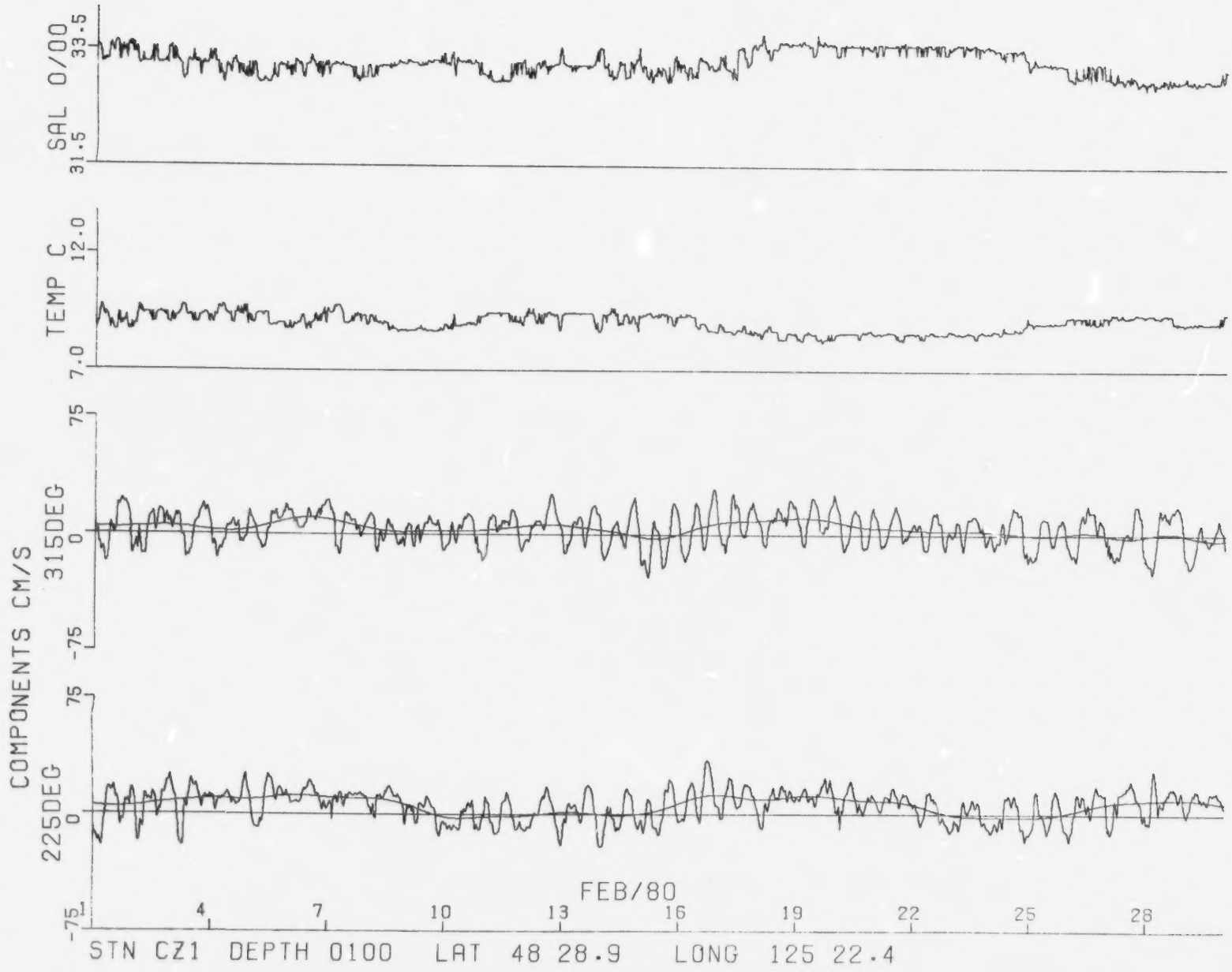


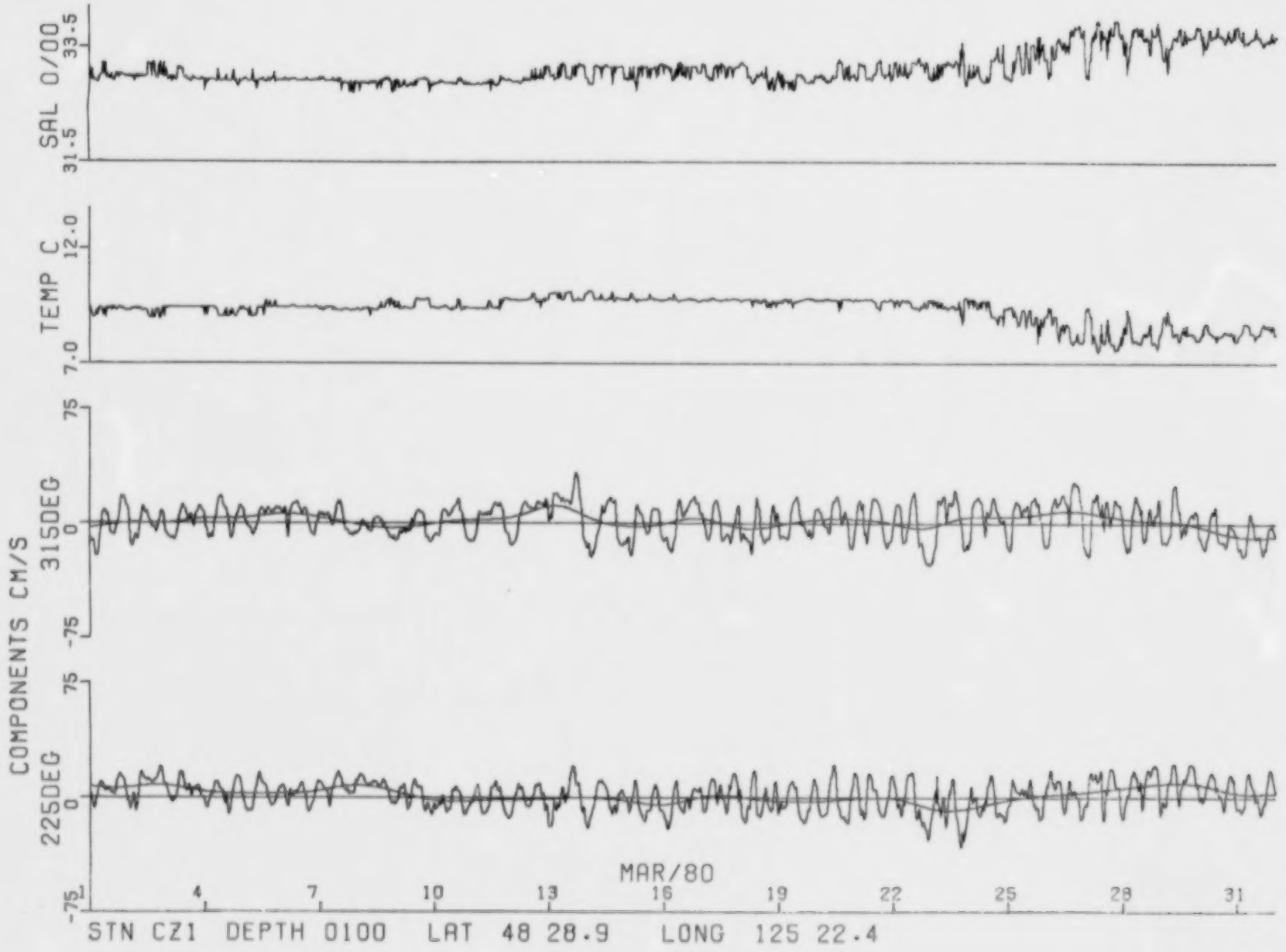

STATION CZ1
DEPTH 50 METRES
START OF RECORD 27/11/1979
DURATION 147 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

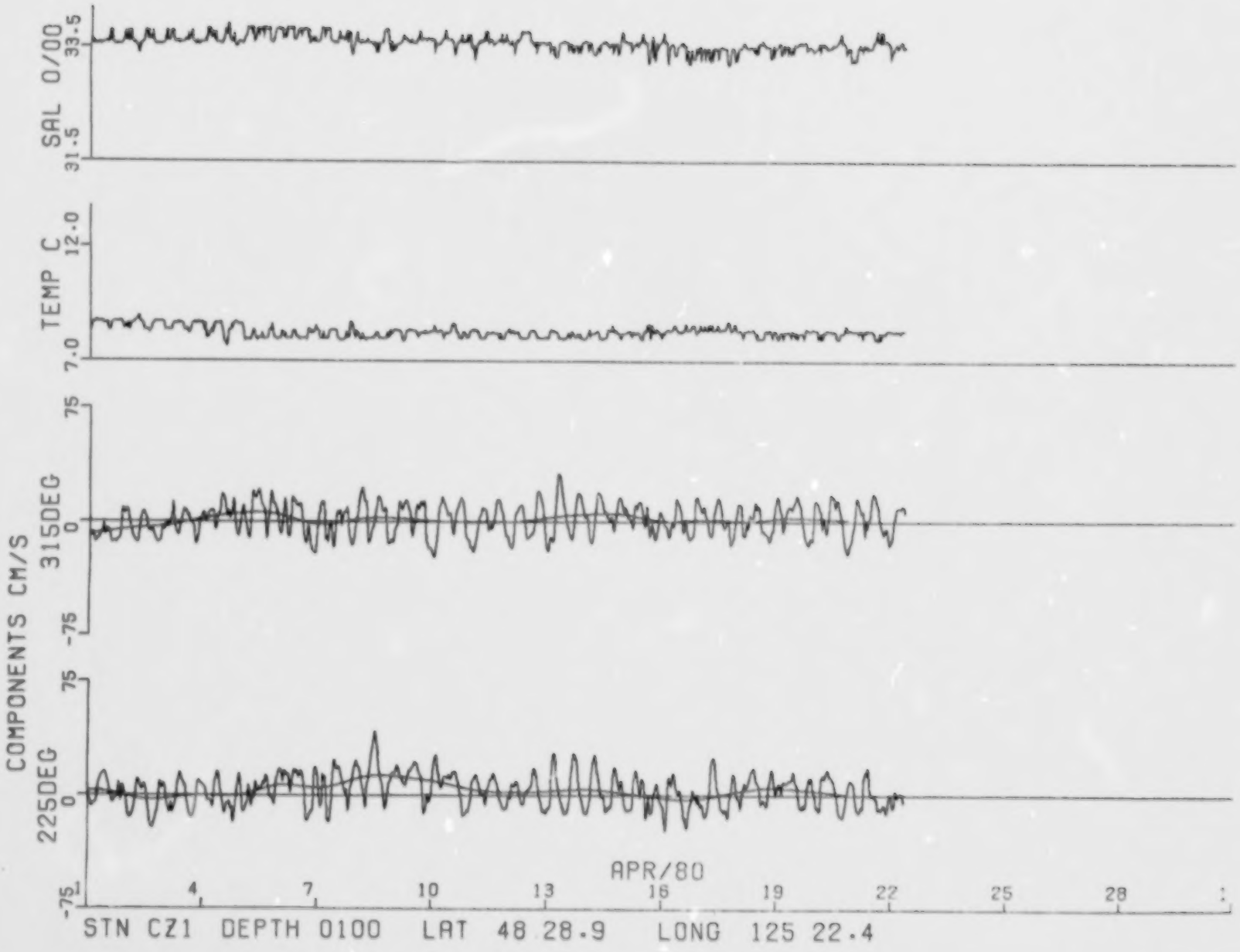
STN CZ1 DEPTH 0100 LAT 48 28.9 LONG 125 22.4
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
7.0
12.0
31.5
33.5


SAL 0/00
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
4
7
10
13
16
19
22
25
28
31
STN CZ1 DEPTH 0100 LAT 48 28.9 LONG 125 22.4


SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ1 DEPTH 0100 LAT 48 28.9 LONG 125 22.4


SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN CZ1 DEPTH 0100 LAT 48 28.9 LONG 125 22.4


SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN CZ1 DEPTH 0100 LAT 48 28.9 LONG 125 22.4


SAL 0/00
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
4
7
10
13
16
19
22
25
28
STN CZ1 DEPTH 0100 LAT 48 28.9 LONG 125 22.4

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ1 Depth 0100 PACHENA POINT 48 28.9 N 125 22.4 W Length of record .EQ. 146 Days
Start of record 30 mn 11 hr 27 dy 11 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		027	057	024	003																					111
10- 19	001	044	066	016	003																					130
20- 29	002	025	056	014	005																					102
30- 39	002	034	050	022	002	002	001																			121
40- 49	002	031	037	020	008		003																			109
50- 59	002	031	045	018	009																					105
60- 69		035	046	026	015	001	001																			124
70- 79		029	061	021	016	004	002																			133
80- 89	001	028	046	034	023	015	001	001																		149
90- 99	002	028	045	051	012	004	004	003																		149
100-109		031	074	048	015	005	004																			177
110-119	002	032	065	026	020	004																				149
120-129	001	027	058	035	014	001																				136
130-139	002	029	053	037	009	001																				131
140-149		023	049	019	008	002																				101
150-159	001	034	049	020	005	001																				110
160-169	002	025	043	023	009	001																				103
170-179	006	031	047	020	003	002	001																			110
180-189	003	040	035	029	004	001																				112
190-199	001	033	069	027	002	002																				134
200-209	004	037	060	027	004	006	001																			147
210-219	002	034	090	053	009	006	007	003																		204
220-229	003	034	079	050	019	005	006	003																		199
230-239	003	031	090	073	038	022	008	003	005																	273
240-249	001	044	065	087	044	023	011	009	005	001																298
250-259	003	044	094	120	066	036	045	013	008	001																430
260-269	001	063	131	102	081	057	022	014	007	005																483
270-279	004	062	142	156	087	046	022	018	015	004																556
280-289	005	039	125	116	087	030	021	010	005	001	002															441
290-299	003	037	122	106	050	027	010	017	003																	383
300-309	001	043	087	079	040	017	011	004	001	002																285
310-319		059	064	076	024	011	003		002																	239
320-329	002	041	064	044	020	008	001	001																		181
330-339	001	052	060	039	010	001	001																			164
340-349		035	058	040	009	001	001																			144
350-359	003	029	066	026	007	002	001																			134
	1301		1732		344		99		14		0		0		0		0		0		0		0		0	7049
	66	2464		780		196		51		2		0		0		0		0		0		0		0		

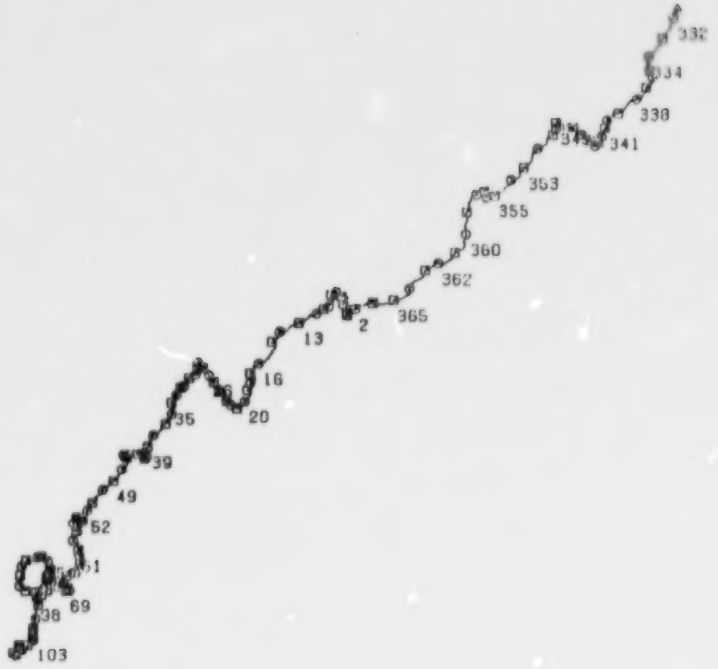
Number of zero rates: 0

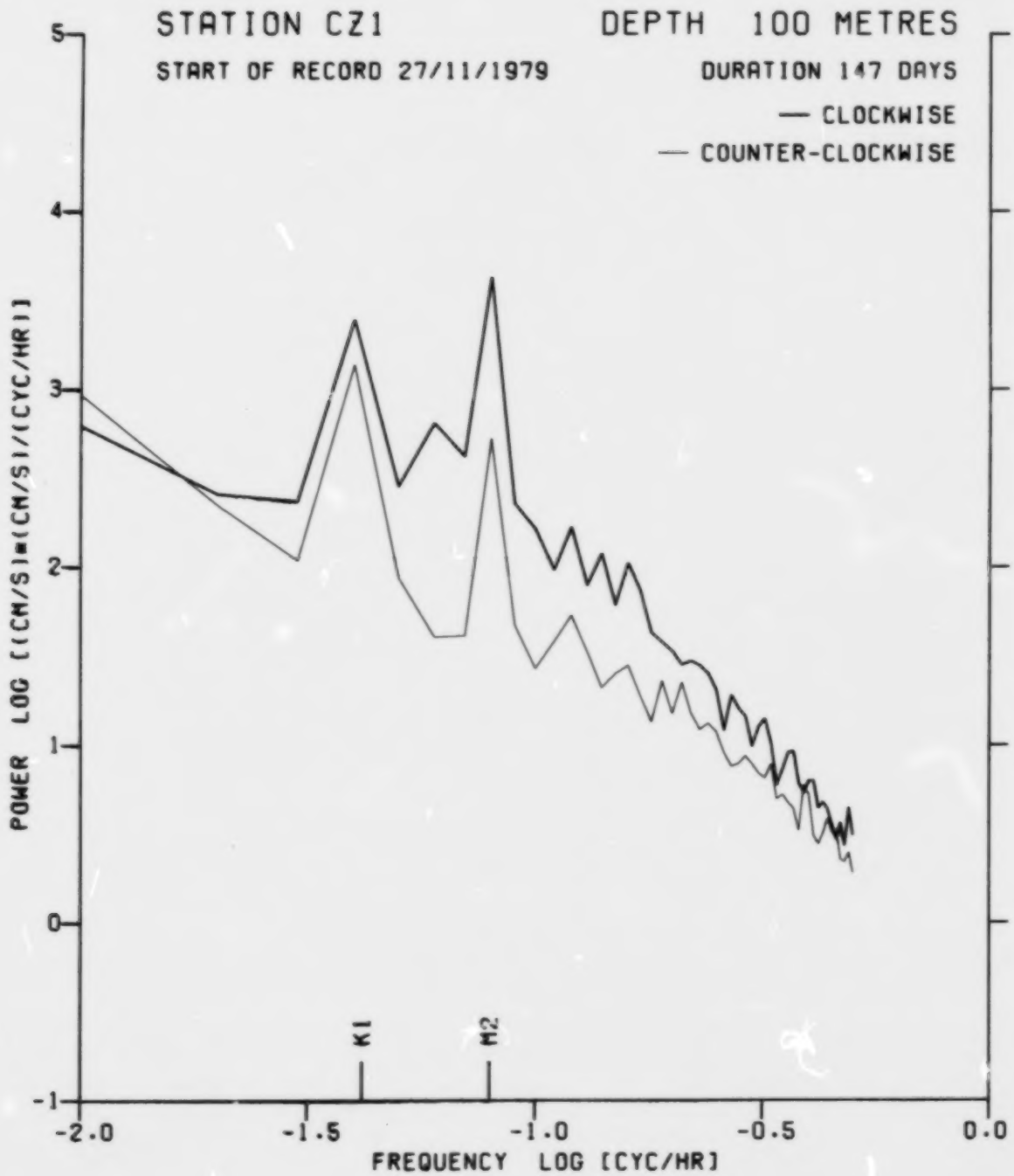
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

⊟ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

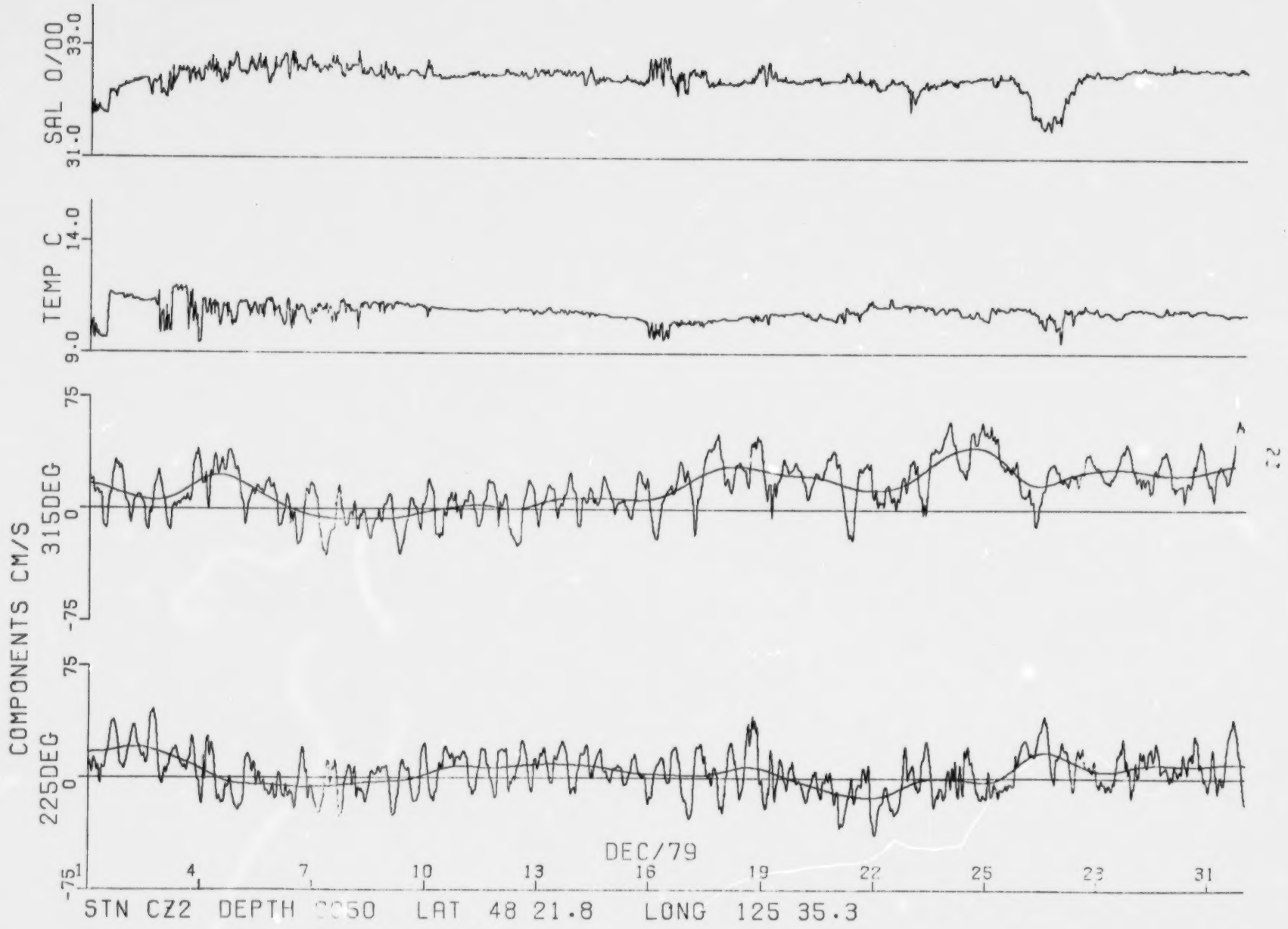
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ1	0100M	8500	331/79	147

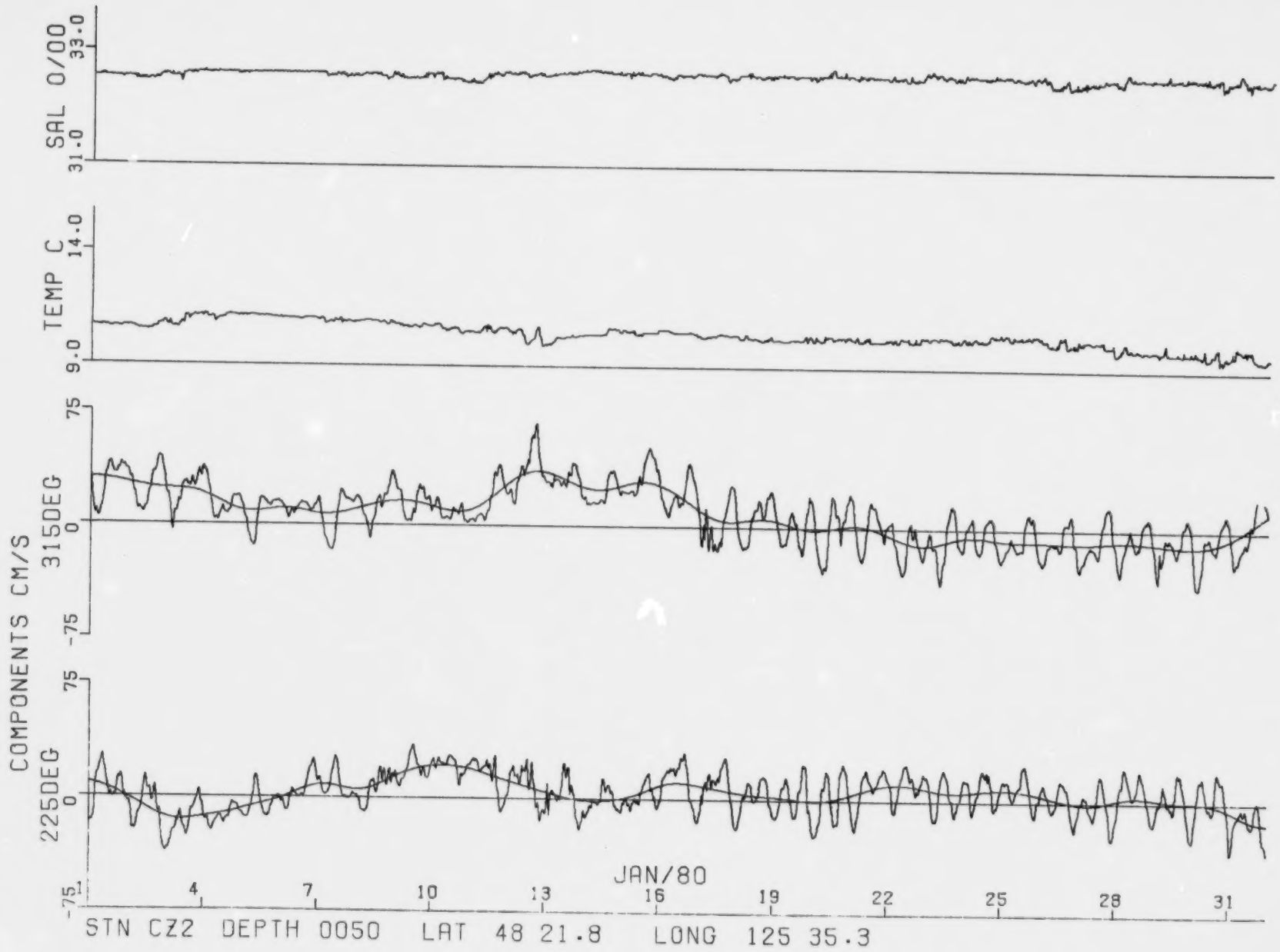
SCALE ⊢—⊣—⊣—⊣
100 KM




STATION CZ1
DEPTH 100 METRES
START OF RECORD 27/11/1979
DURATION 147 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²=(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN CZ2 DEPTH 0050 LAT 48 21.8 LONG 125 35.3
NOV/79
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
9.0
14.0
31.0
33.0


SAL O/OO
33.0
31.0
TEMP C
14.0
9.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
1
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 2050 LAT 48 21.8 LONG 125 35.3


SAL O/OO
33.0
31.0
TEMP C
14.0
9.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0050 LAT 48 21.8 LONG 125 35.3

STN CZ2 DEPTH 0050 LAT 48 21.8 LONG 125 35.3
FEB/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
9.0
14.0
SAL 0/00
31.0
33.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ2 Depth 0050 PACHENA POINT 48 21.8 N 125 35.3 W Length of record .EQ. 69 Days
Start of record 0 mn 15 hr 27 dy 11 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	001	003	012	027	007	006	006	002	002																	66
10- 19		004	010	024	009	003	005	004	002																	61
20- 29	001	004	010	015	017	004	002	006	002																	61
30- 39	001	004	011	020	014	003	003	002																		58
40- 49		002	007	010	009	001	003																			32
50- 59		005	010	006	008	006																				37
60- 69	001	006	008	002	004	004	001	001																		27
70- 79		001	013	008	003	005	001																			31
80- 89		001	009	009	005	006	001	001																		32
90- 99		005	009	013	006	004	001																			38
100-109		006	024	012	008	008	002	001																		61
110-119	002	007	017	007	004	007	004	002																		50
120-129		001	012	010	003	001	005	001																		33
130-139	001	005	015	009	019	002	001	003																		55
140-149		007	028	011	009	004	001	002																		62
150-159		015	023	015	012	008	005																			78
160-169		009	028	020	015	004	003																			79
170-179		005	009	021	007	002	001																			45
180-189		011	013	017	005		001																			47
190-199	001	003	010	009	008	001																				32
200-209		006	009	008	009	001																				33
210-219		002	015	019	012	003																				51
220-229		011	015	017	012	003	001	001	002																	62
230-239		004	017	054	042	015	005	003		001																141
240-249		011	034	048	043	028	006	006	003	002																181
250-259		008	024	037	041	025	008	001	005	002																151
260-269		012	011	026	030	029	013	004	006	006	001															138
270-279		008	015	018	034	025	014	007	010	006	001	009														147
280-289		004	012	016	026	021	021	015	008	010	003	001	003													140
290-299	001	004	013	023	021	025	027	025	012	005	004		004													164
300-309		008	016	030	036	020	040	042	018	014	006	005	003	002												240
310-319		008	028	058	038	037	046	035	014	009	002	007														282
320-329		010	024	049	047	058	028	015	009	011	017	004	001													273
330-339		008	013	043	033	028	026	013	008	002	004															178
340-349		005	009	036	013	012	010	007	005	001																106
350-359		003	009	024	015	017	011	004		002																85
	216		771		428		203		71		26		2		0		0		0		0		0			3357
9		542		624		310		106		38		11		0		0		0		0		0		0		

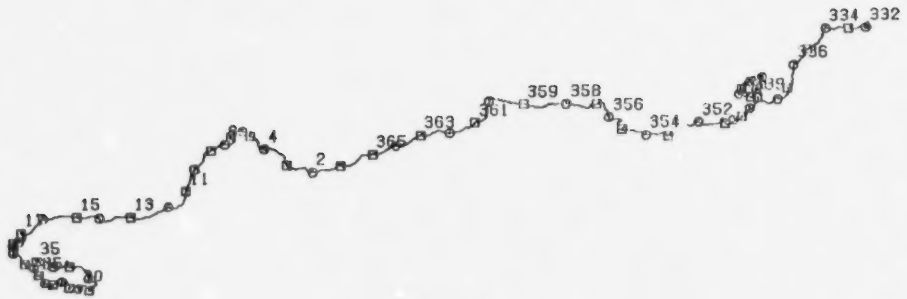
Number of zero rates: 0

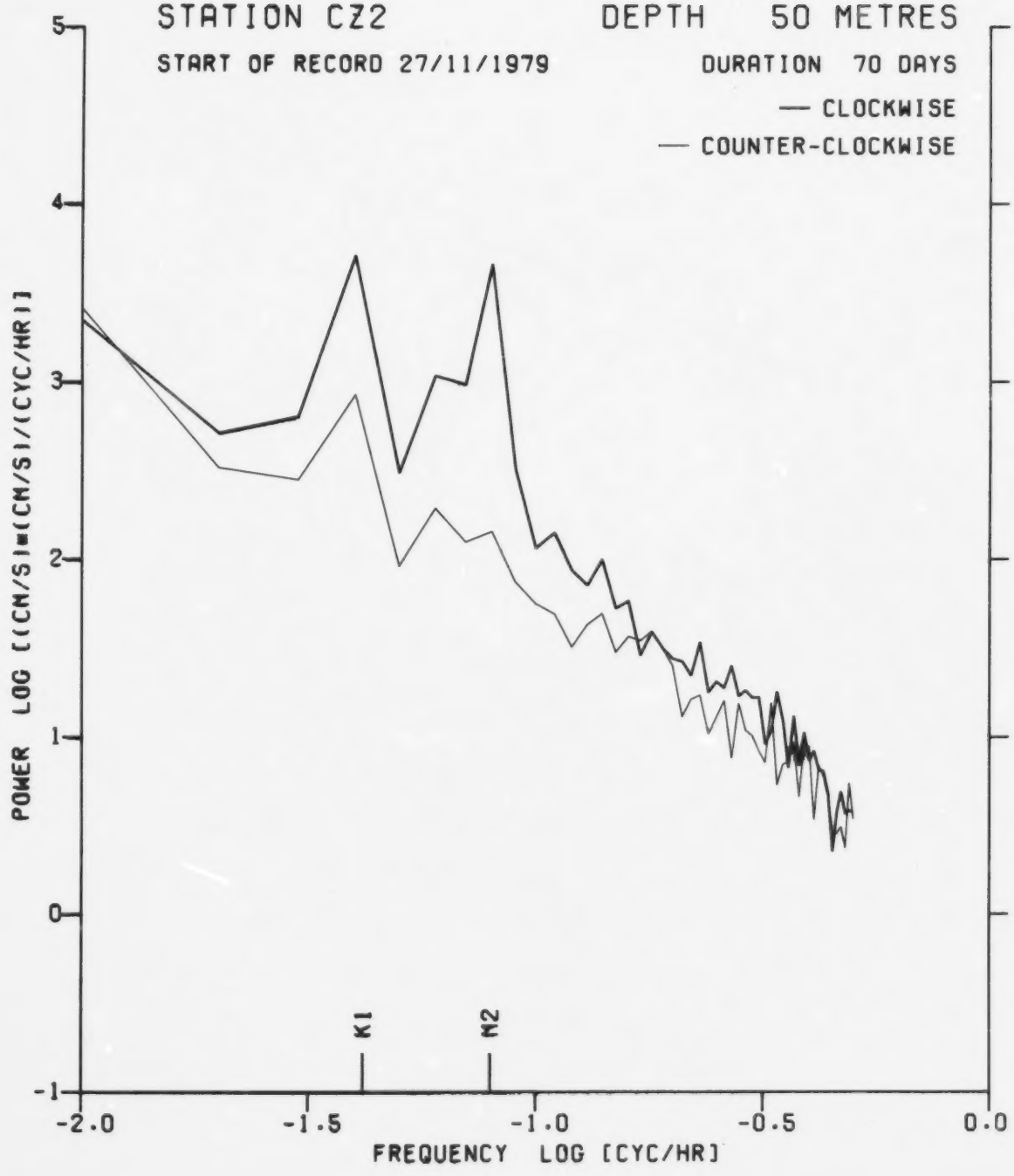
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

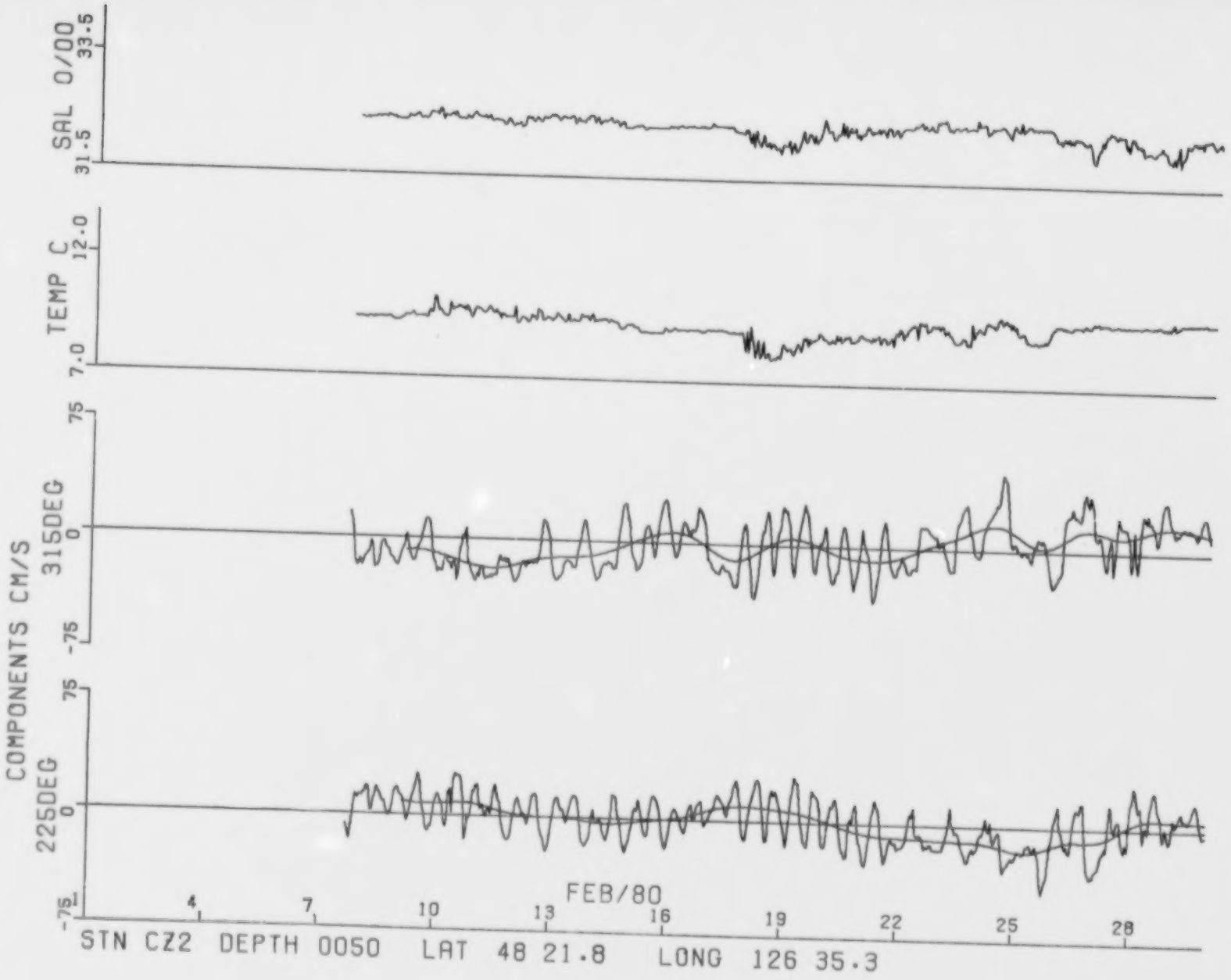
☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

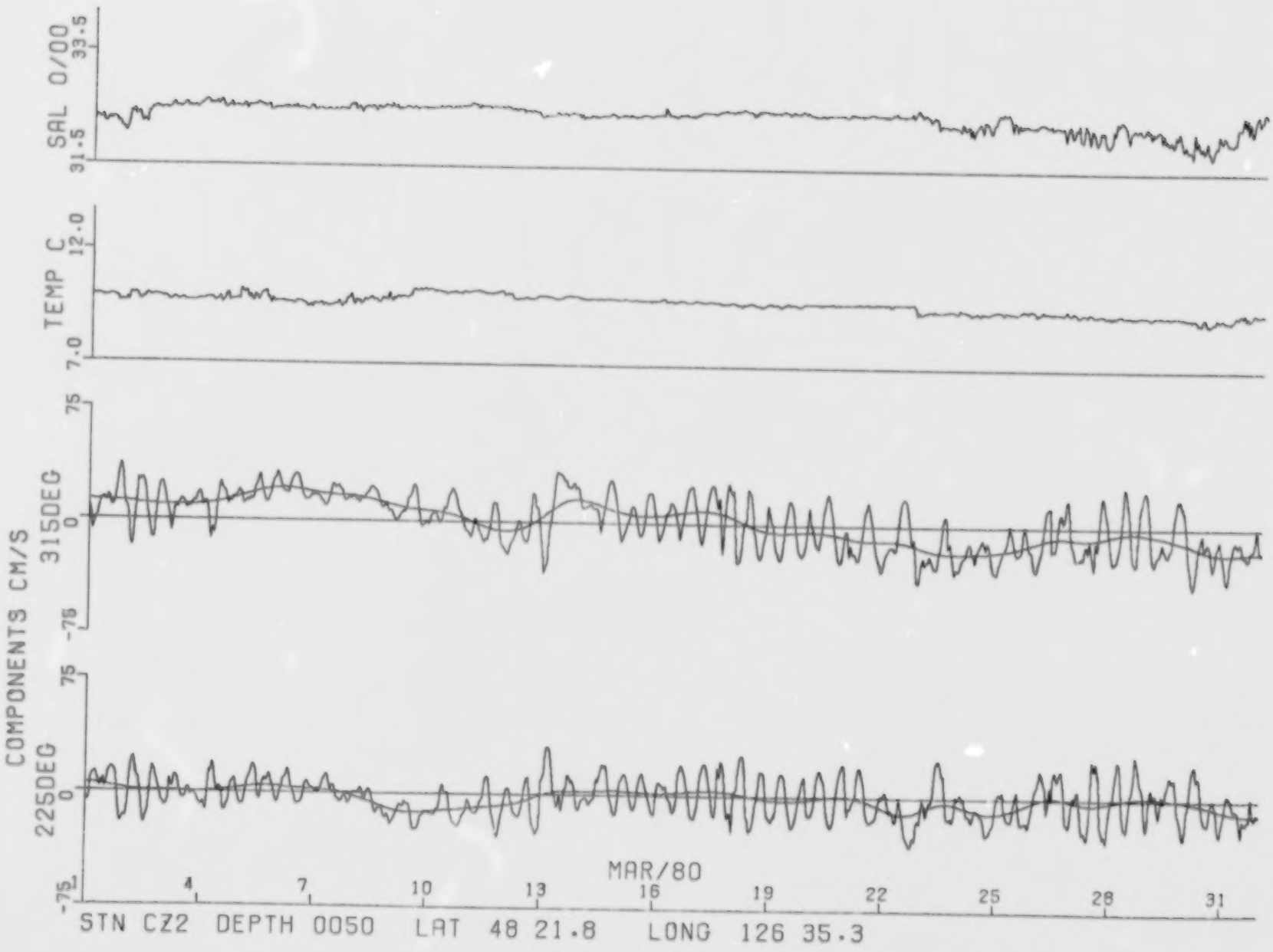
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ2	0050M	8500	331/79	70

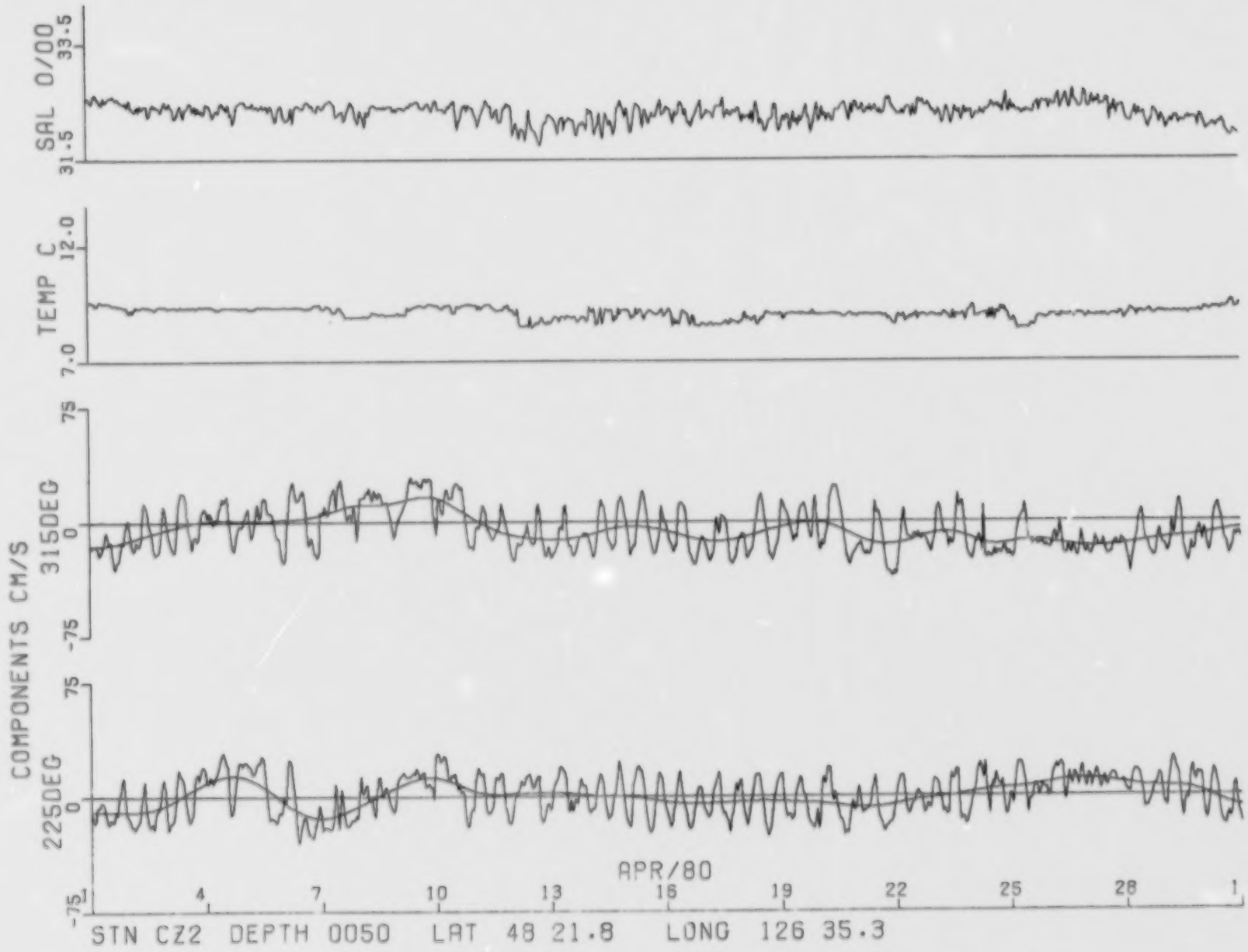
SCALE ⊢—⊣ ⊢—⊣
100 KM

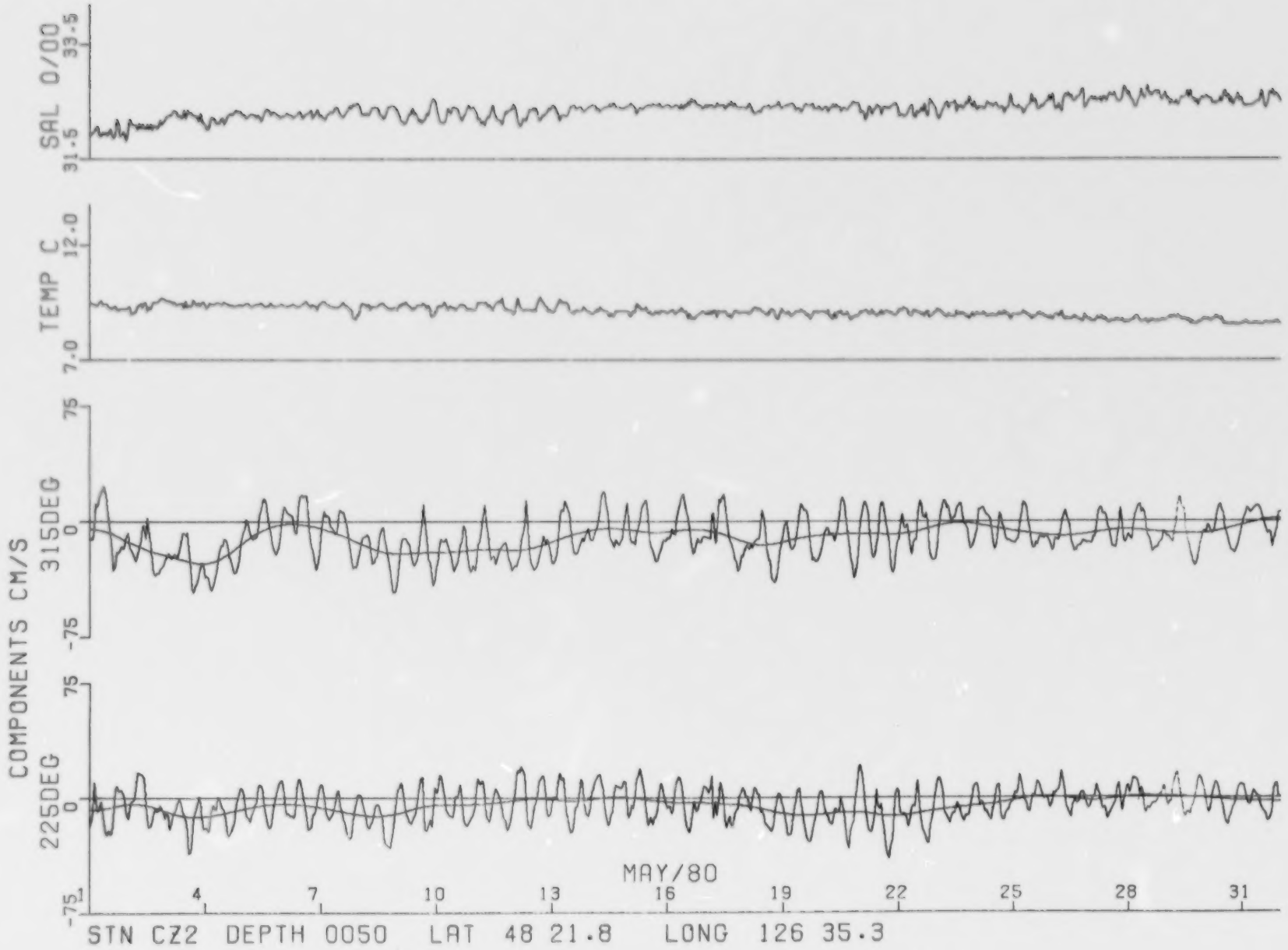


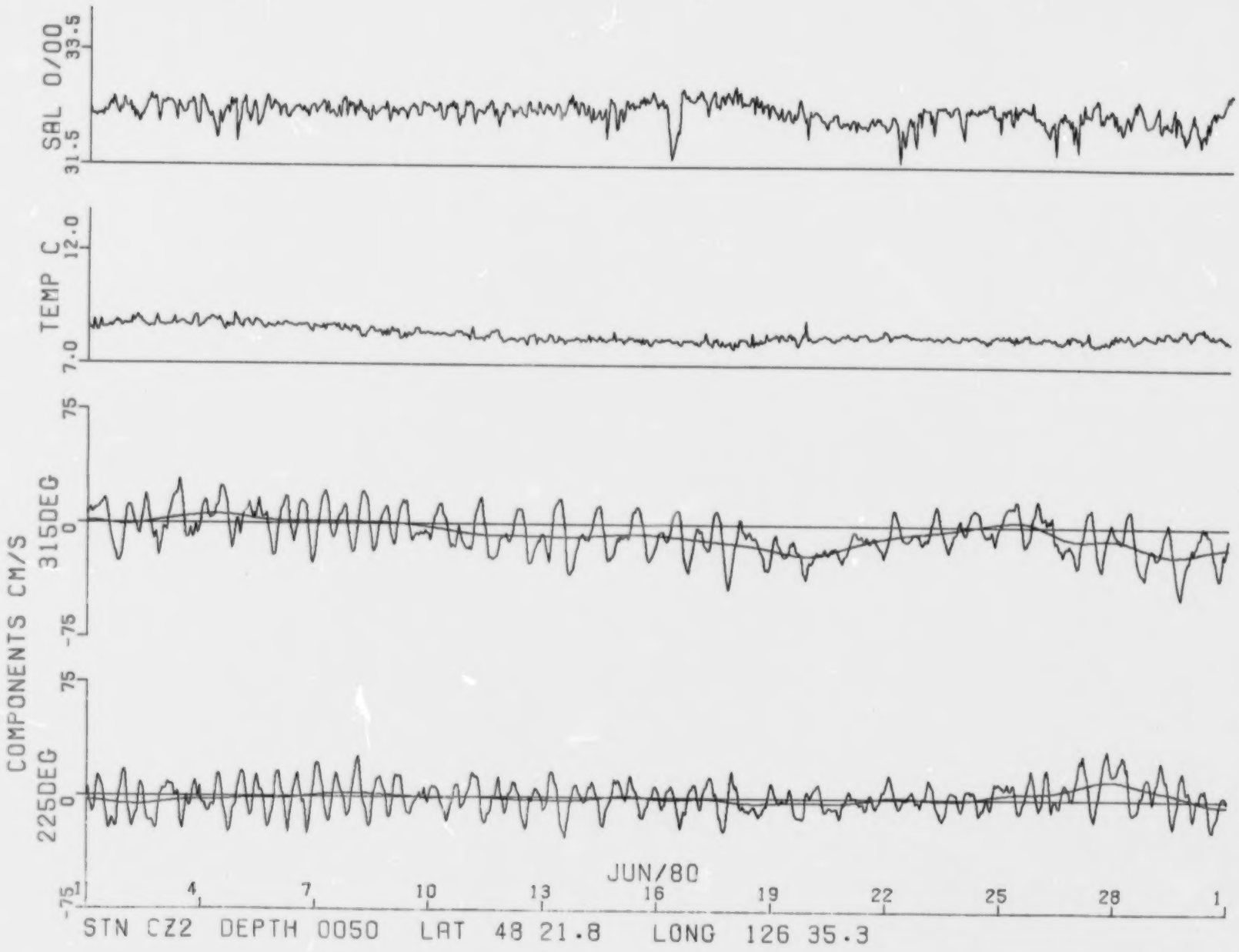

STATION CZ2
DEPTH 50 METRES
START OF RECORD 27/11/1979
DURATION 70 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

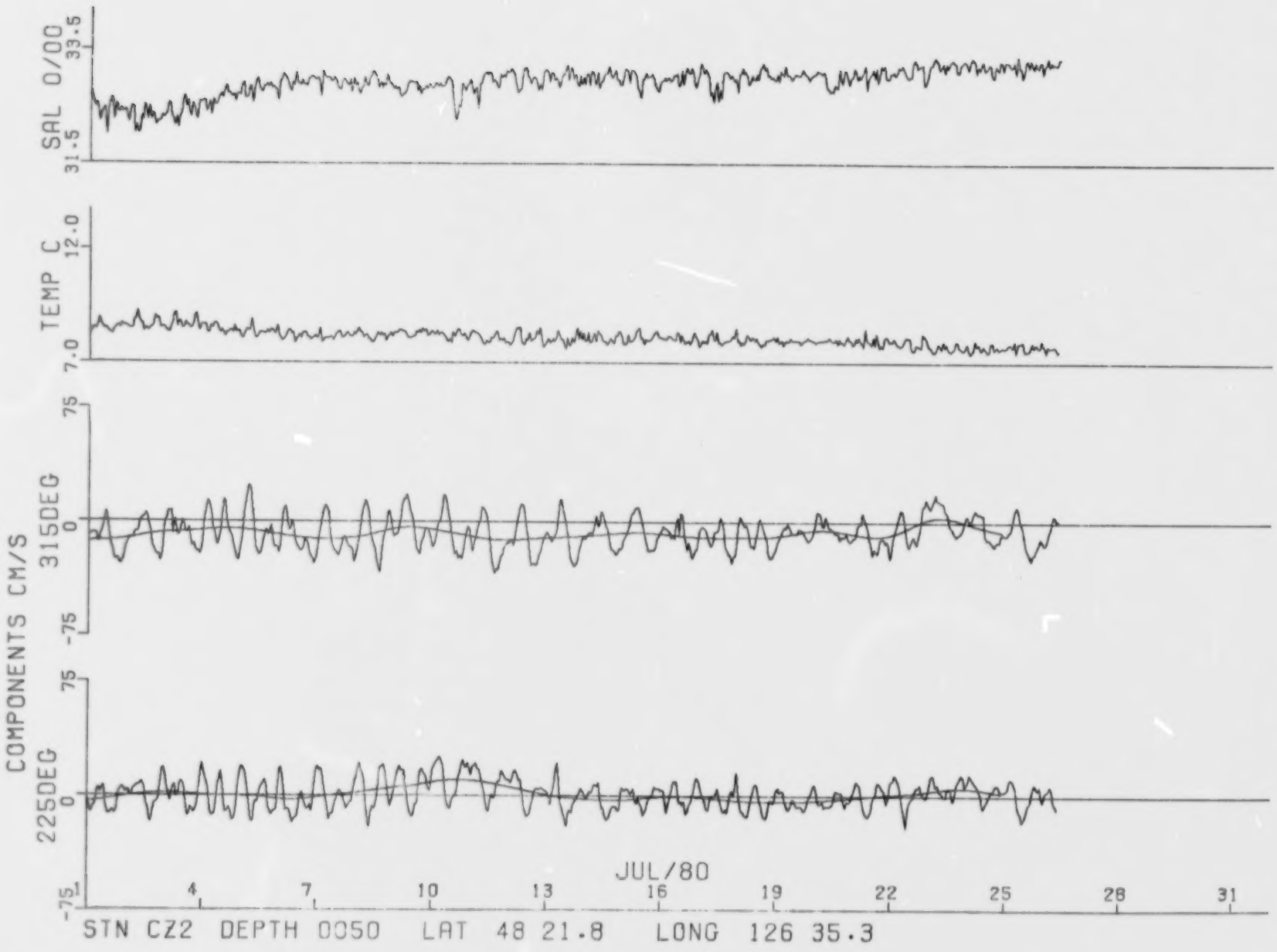

SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
FEB/80
STN CZ2 DEPTH 0050 LAT 48 21.8 LONG 126 35.3


SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0050 LAT 48 21.8 LONG 126 35.3


SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ2 DEPTH 0050 LAT 48 21.8 LONG 126 35.3


SAL 0/00
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0050 LAT 48 21.8 LONG 126 35.3


SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ2 DEPTH 0050 LAT 48 21.8 LONG 126 35.3


SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0050 LAT 48 21.8 LONG 126 35.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ2 Depth 0050 PACHENA POINT 48 21.8 N 126 35.3 W Length of record .EQ. 169 Days
Start of record 8 mn 17 hr 7 dy 2 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		014	013	025	012	002	001	001																		68
10- 19		016	017	029	011	002		001																		76
20- 29		008	020	021	015	005	003																			80
30- 39		009	023	022	021	008	002																			85
40- 49		009	027	032	013	002	002	001																		86
50- 59		010	025	023	015	009		001	001																	84
60- 69		012	020	029	015	007	003	001	002																	97
70- 79		011	030	038	020	013	006	003	001																	122
80- 89	001	008	030	038	031	017	006	002	002	001																136
90- 99		016	037	044	035	021	014	005	001	003																176
100-109		007	037	058	047	027	010	011	005	001	001															204
110-119	001	016	050	050	051	030	017	010	001	002	001															229
120-129	003	014	035	045	052	025	020	005	007	002																208
130-139	001	018	040	047	053	036	013	003	001	001																222
140-149	001	016	047	062	054	027	004	005	001																	217
150-159		031	048	050	044	013	005		001	001																193
160-169	001	018	038	044	031	015	003	001	001																	152
170-179	002	020	030	039	032	008	002																			133
180-189	001	013	023	032	025	007	001																			102
190-199	002	007	025	026	017	006																				83
200-209	001	014	019	028	016	006	001																			85
210-219		007	021	027	014	009	001																			79
220-229		010	022	017	011	009	001																			78
230-239		009	021	021	013	008	001																			73
240-249	002	002	016	014	009	006	002																			51
250-259		013	020	026	009	011																				79
260-269		010	019	018	015	003	001																			66
270-279		008	020	028	009	006	003																			74
280-289	001	013	020	026	017	017	008	001																		111
290-299	001	006	029	028	013	013	005	002																		97
300-309	002	009	032	026	020	010	002																			101
310-319		013	031	027	025	008	004	001		001																110
320-329		011	020	023	018	011	002	001	001	002																97
330-339	001	015	022	029	013	006	003	001																		90
340-349		009	010	016	009	005	001		001																	58
350-359		008	021	023	011	008																				71
	22	432	1011	1132	815	416	147	56	26	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4073

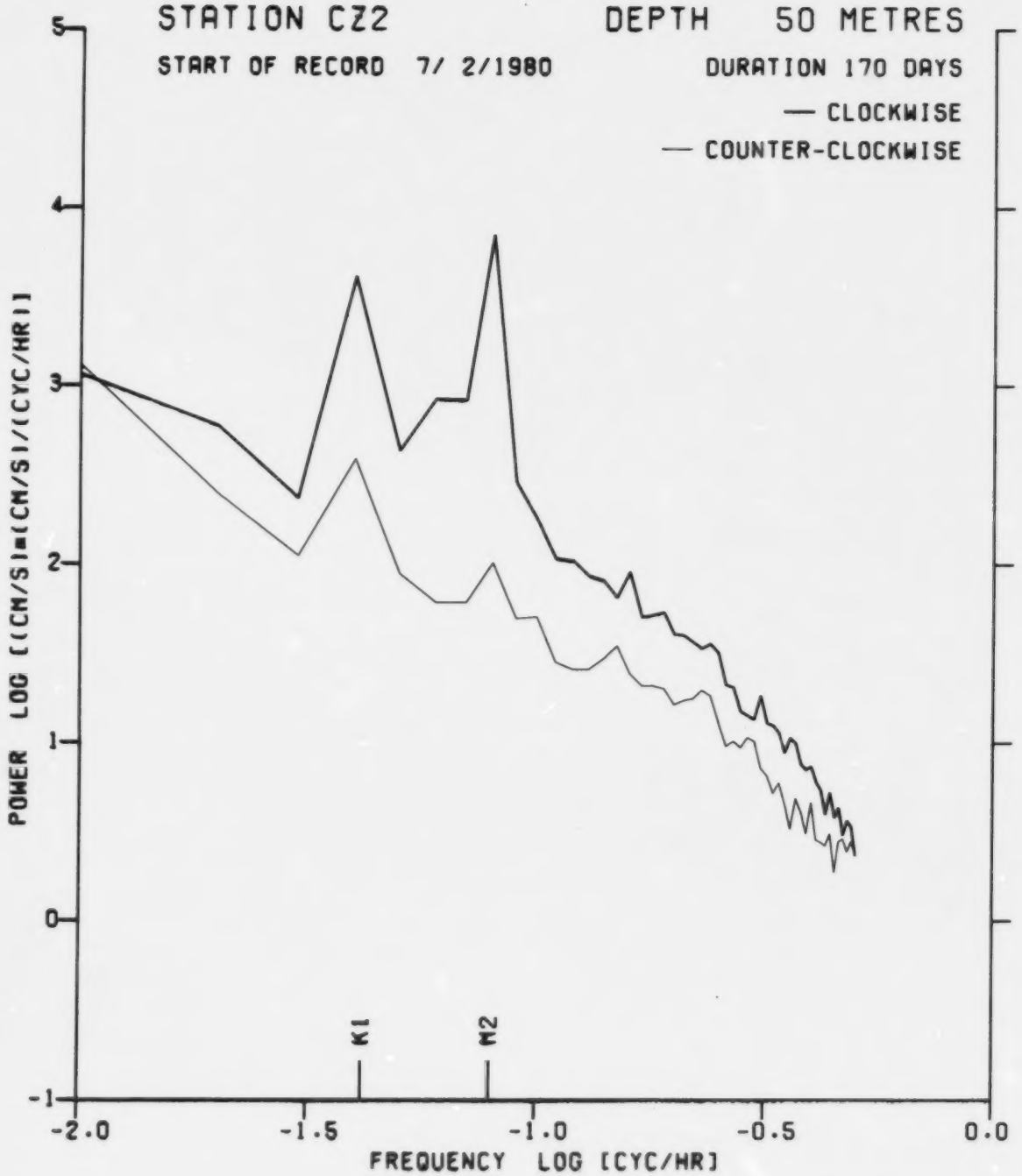
Number of zero rates: 0

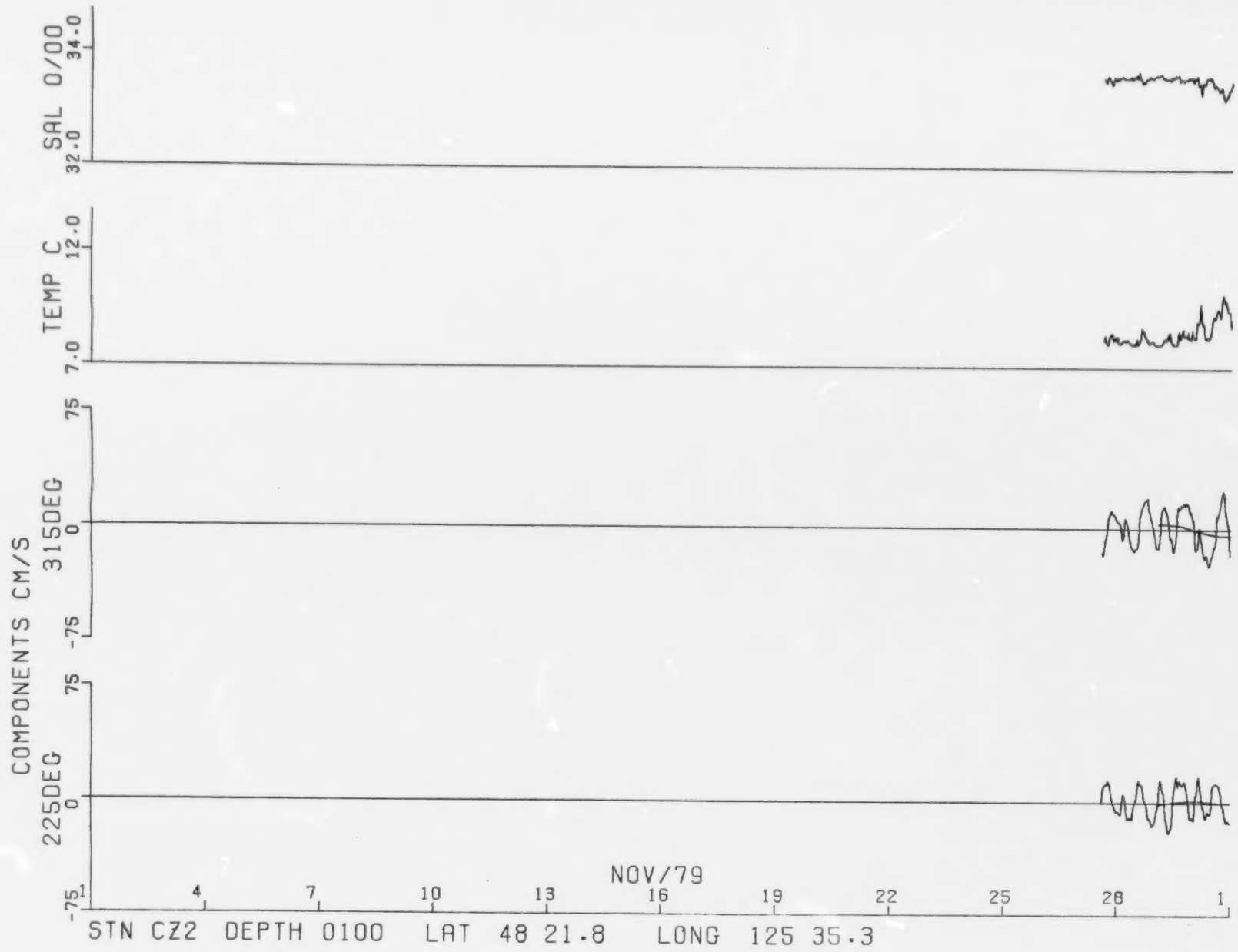
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

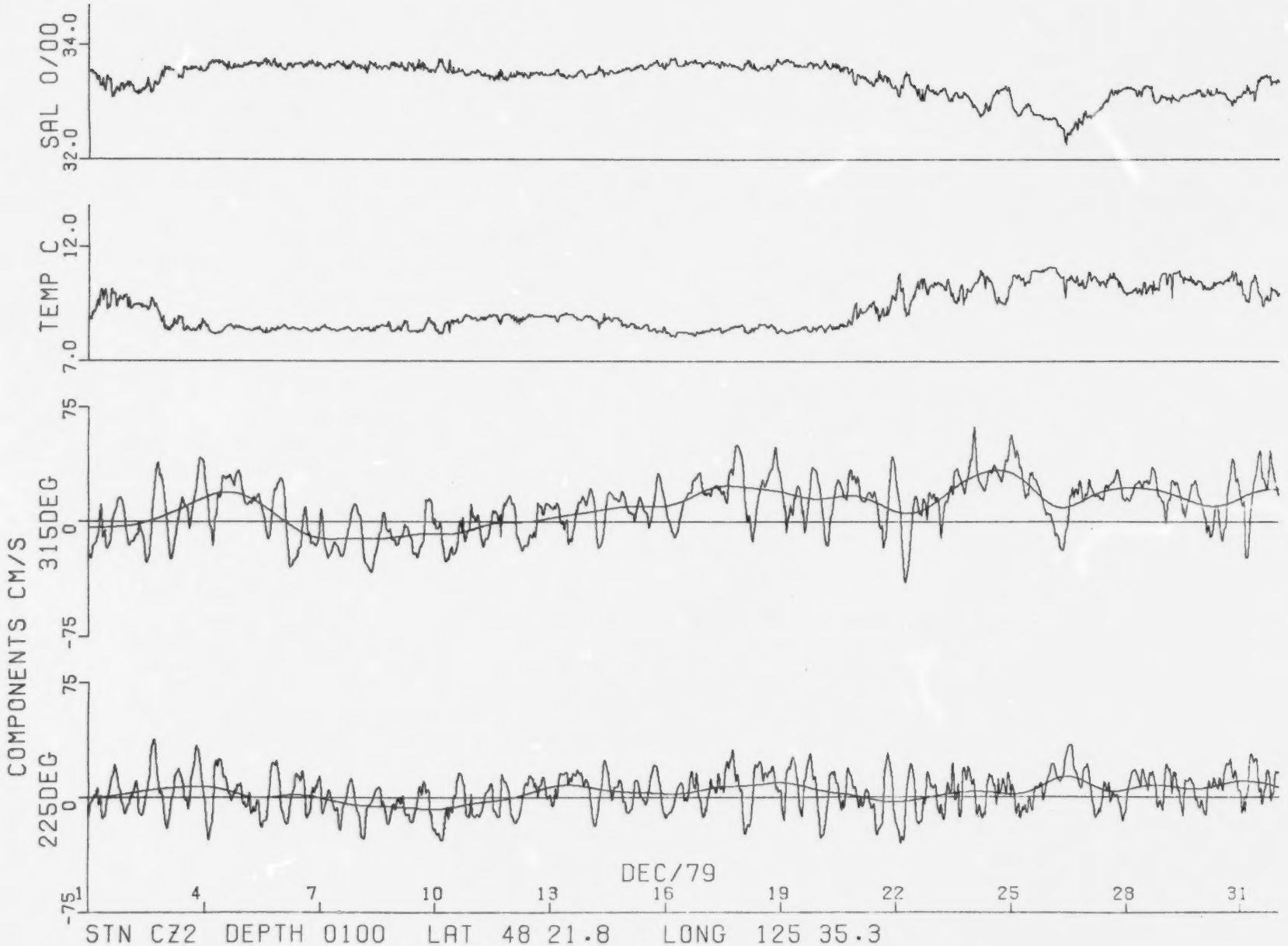
▯ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

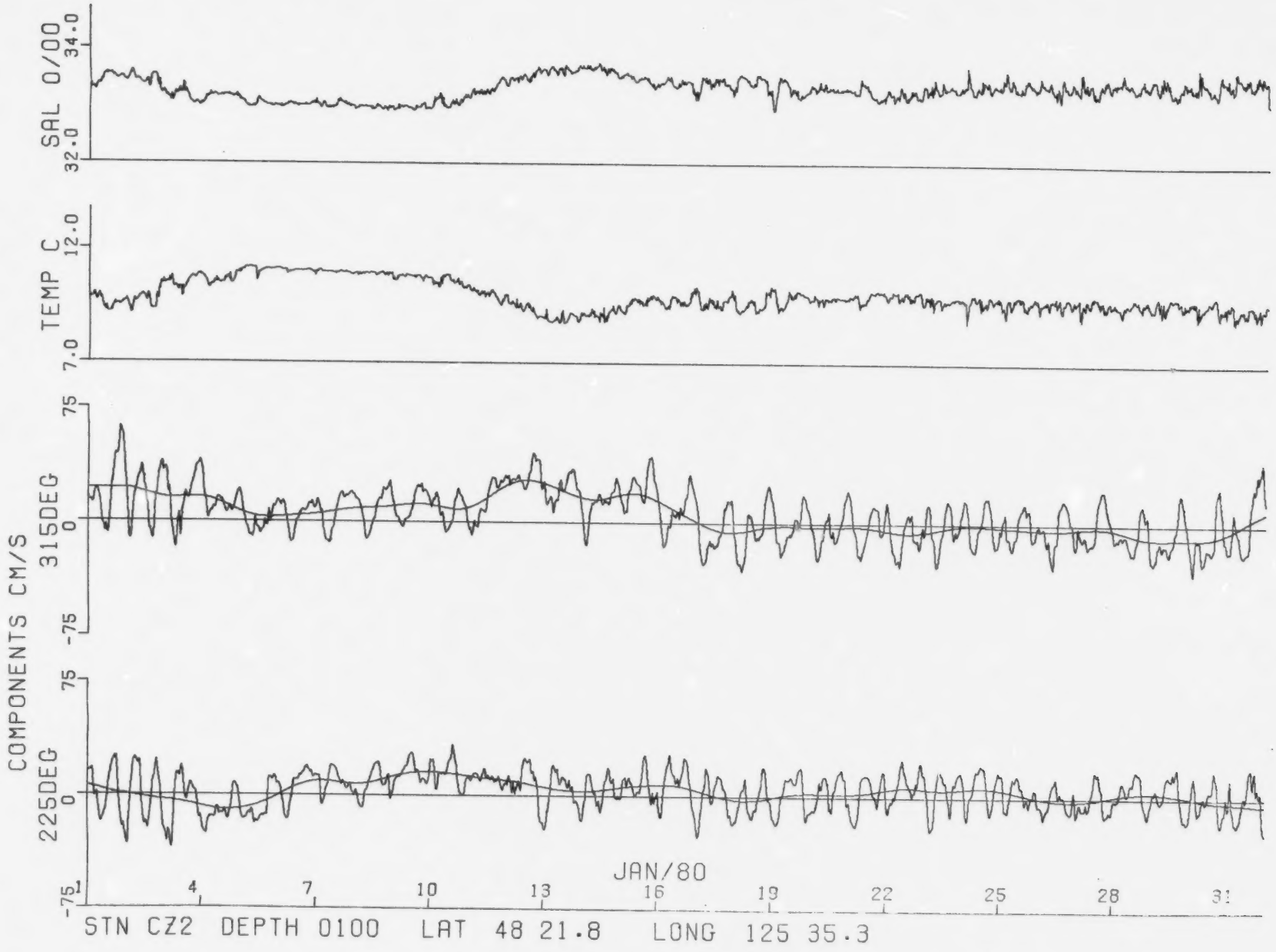
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ2	0050M	8500	38 /80	170

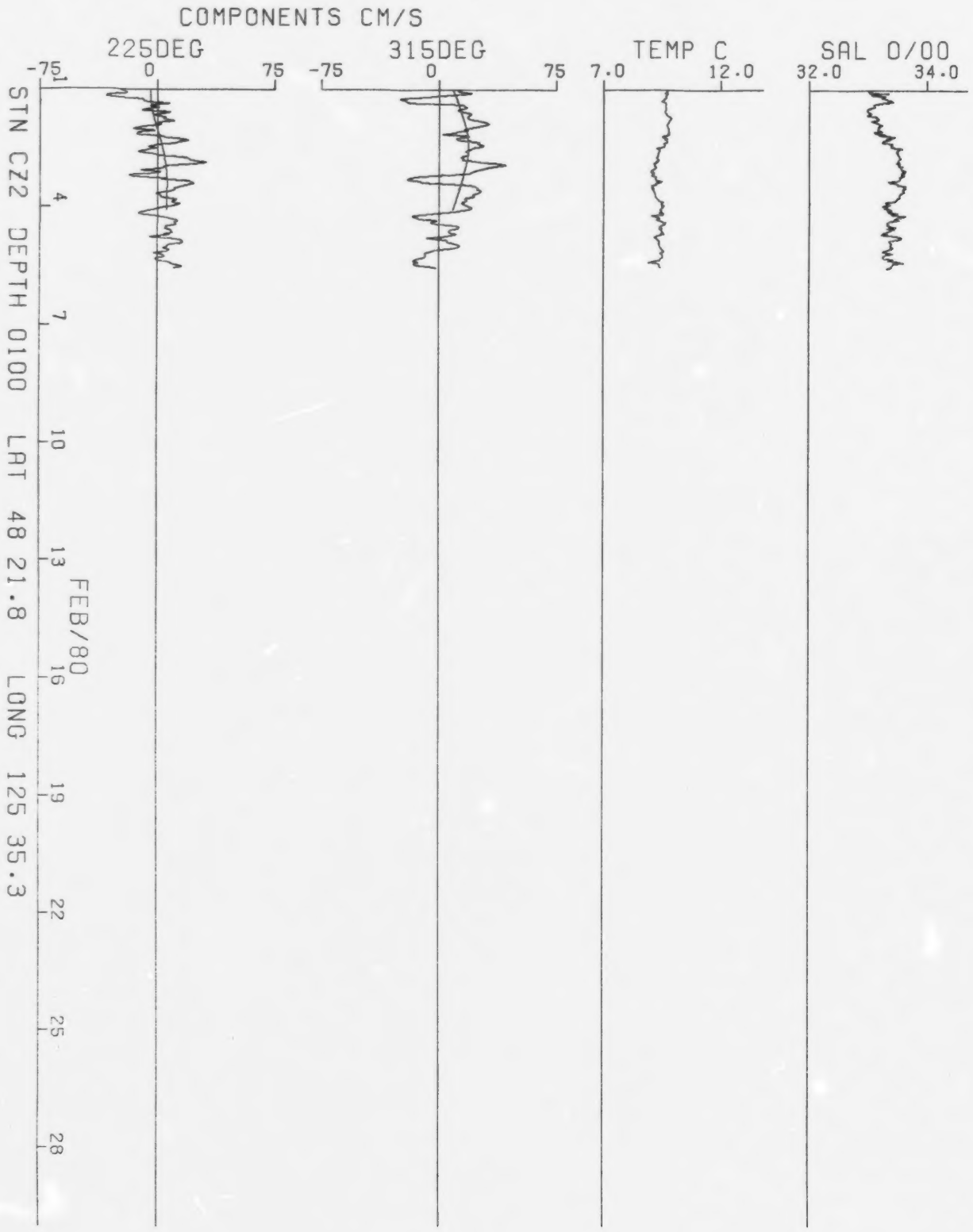
SCALE ⊢←→ ' ⊢→⊣
100 KM


STATION CZ2
DEPTH 50 METRES
START OF RECORD 7/ 2/1980
DURATION 170 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)=(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.0
32.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/79
1
4
7
10
13
16
19
22
25
28
1
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 125 35.3


SAL O/OO
34.0
32.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/79
1
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 125 35.3


SAL O/OO
34.0
32.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 125 35.3


COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
7.0
12.0
SAL 0/00
32.0
34.0
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 125 35.3
FEB/80
4
7
10
13
16
19
22
25
28

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ2 Depth 0100 PACHENA POINT 48 21.8 N 125 35.3 W Length of record .EQ. 69 Days
Start of record 0 mn 15 hr 27 dy 11 mo 79 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		008	014	024	007	000	002	001																		
10- 19		008	025	022	008	000	002	002																		64
20- 29		004	021	019	001	007	001																			75
30- 39		006	017	018	004	004	001																			53
40- 49		004	015	009	008	003	003																			58
50- 59		005	014	021	011	003	002																			42
60- 69		003	030	019	006	002																				56
70- 79	001	004	023	013	008	001	004																			68
80- 89		007	025	016	009	003	001	002																		54
90- 99		002	021	006	007	000	001		001																	63
100-109		004	015	017	012	007	001																			46
110-119	001	004	023	018	015	012			001																	56
120-129	001	008	024	024	015	010	003		001																	74
130-139		009	019	032	013	010	005																			86
140-149		005	020	026	018	013	001	001																		88
150-159		007	024	021	007	006	002																			84
160-169		006	021	033	012	005	001																			67
170-179		008	015	028	009	005																				78
180-189		005	025	028	009	001																				63
190-199		006	024	017	004	002																				68
200-209		003	029	021	006																					53
210-219		001	027	022	011	003	002																			59
220-229		005	025	028	013	003	001																			66
230-239		004	022	025	010	006	003																			75
240-249		004	024	037	014	004	003	002																		70
250-259	001	003	031	032	024	017	005	004	003																	88
260-269		003	027	030	041	034	016	003	003																	120
270-279		004	020	036	035	026	018	009	009	002																157
280-289		002	026	042	041	036	022	016	009	004	003															159
290-299		005	021	040	041	065	032	017	018	007	003															201
300-309		005	030	038	033	047	034	018	015	005	004	004														249
310-319		004	026	036	027	045	022	013	009	005	003	002	002													233
320-329		008	022	042	024	019	011	003	005	003			002													194
330-339		008	015	037	022	012	006	008	002		001	001	001													139
340-349		007	019	023	016	008	004	003	002	001																113
350-359		008	010	031	010	007	003	001	001																	83
																										71
	4	187	789	931	551	448	212	103	79	27	14	7	5	0	0	0	0	0	0	0	0	0	0	0	0	3357

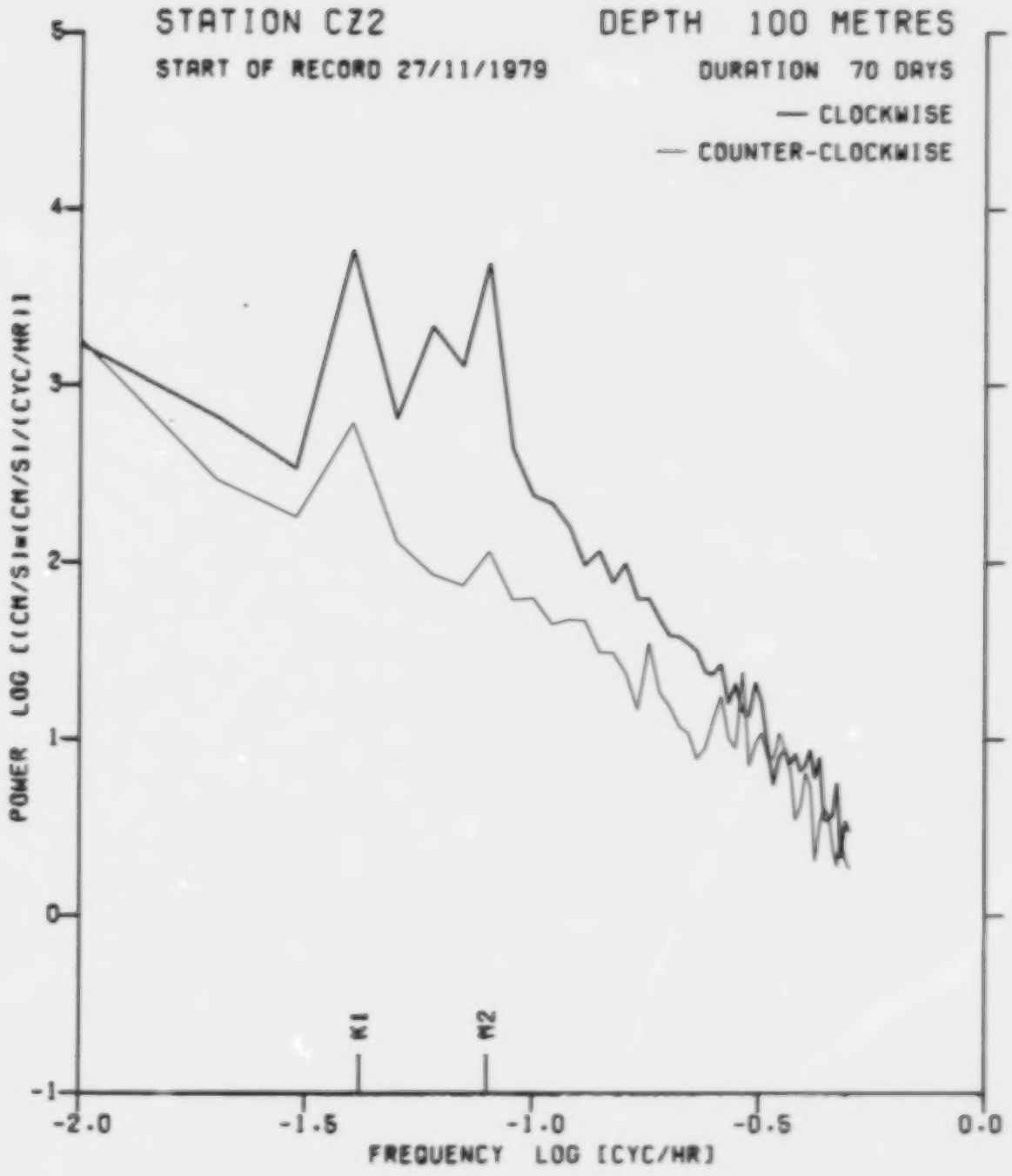
Number of zero rates: 0

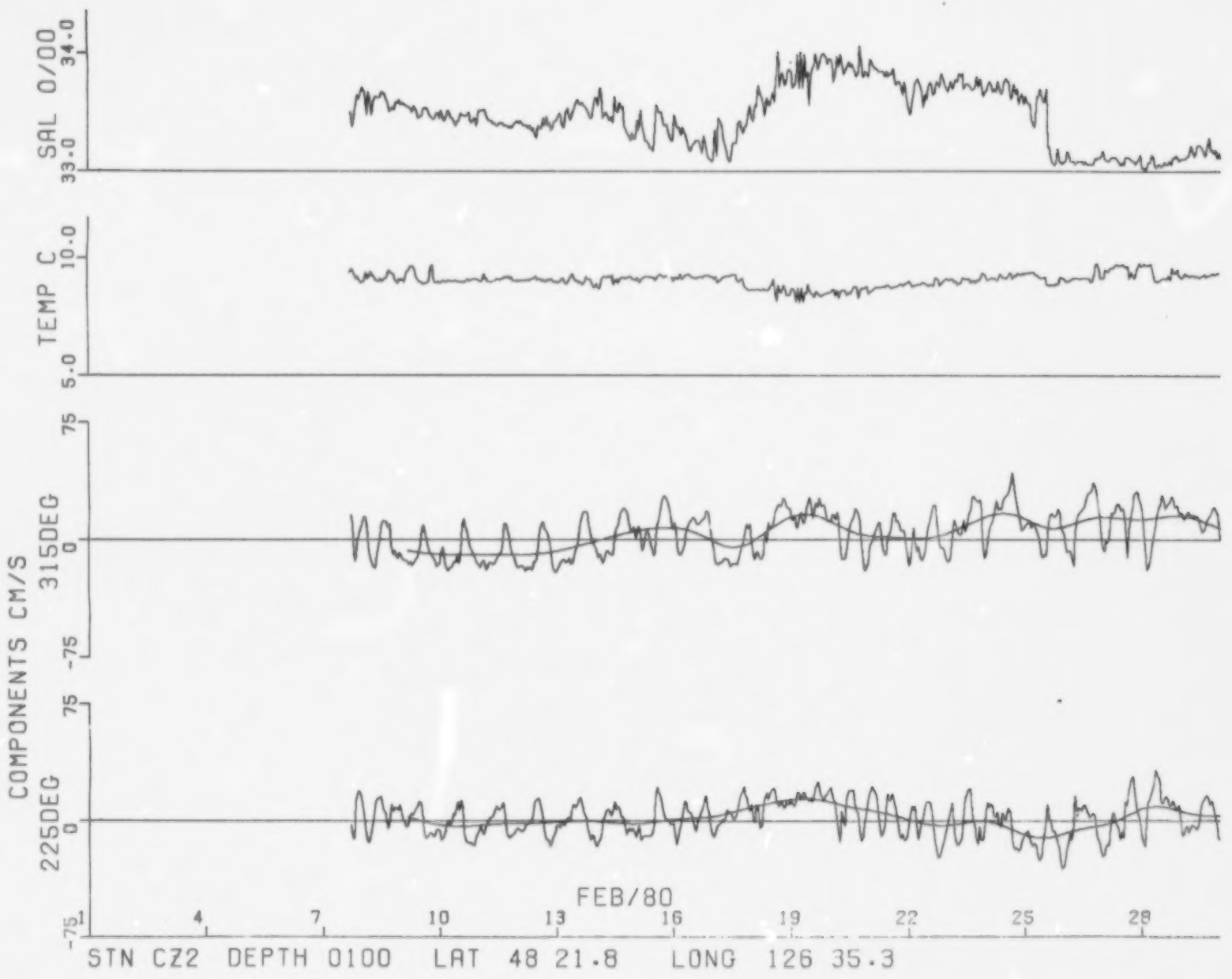
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

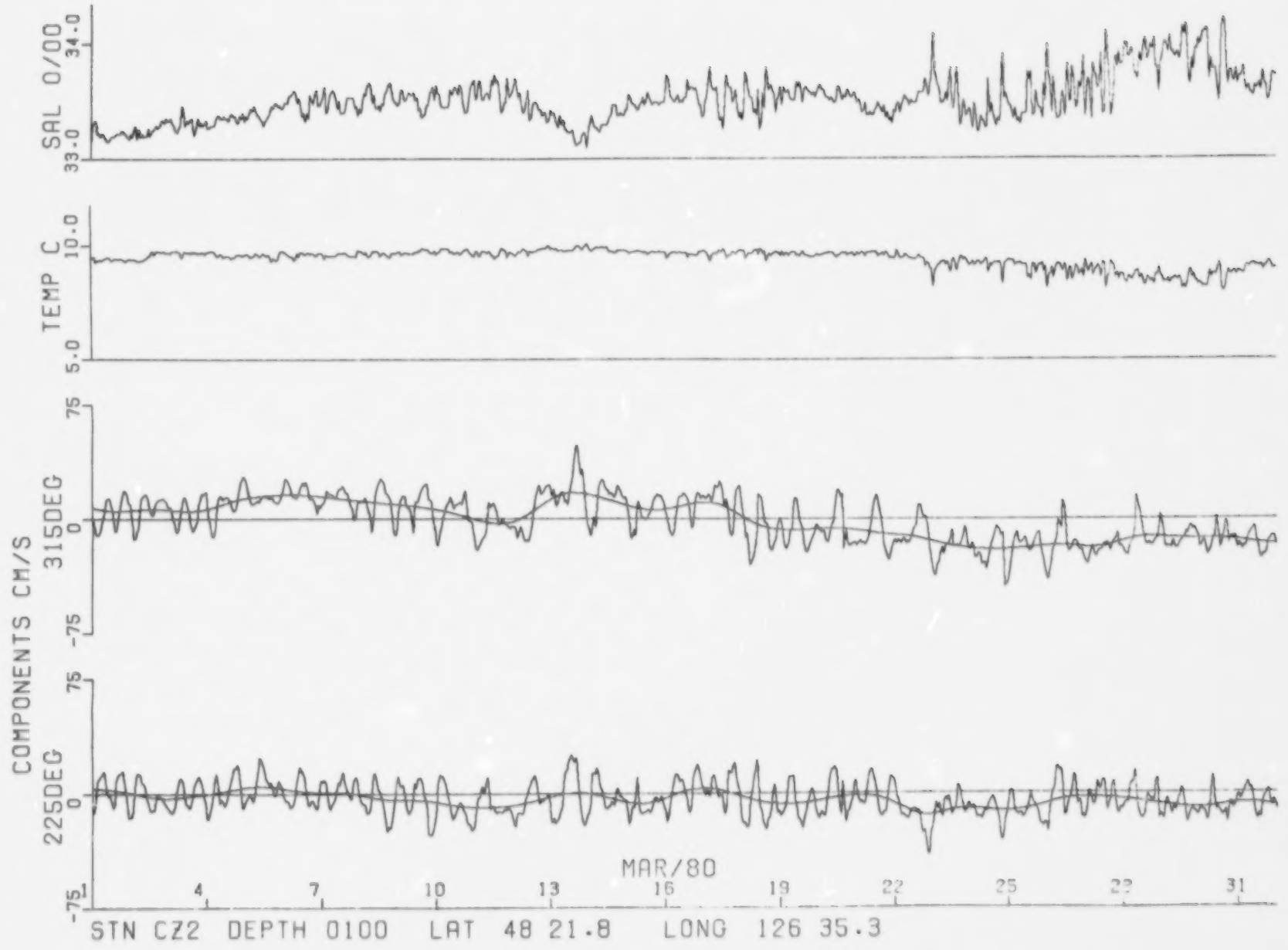
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

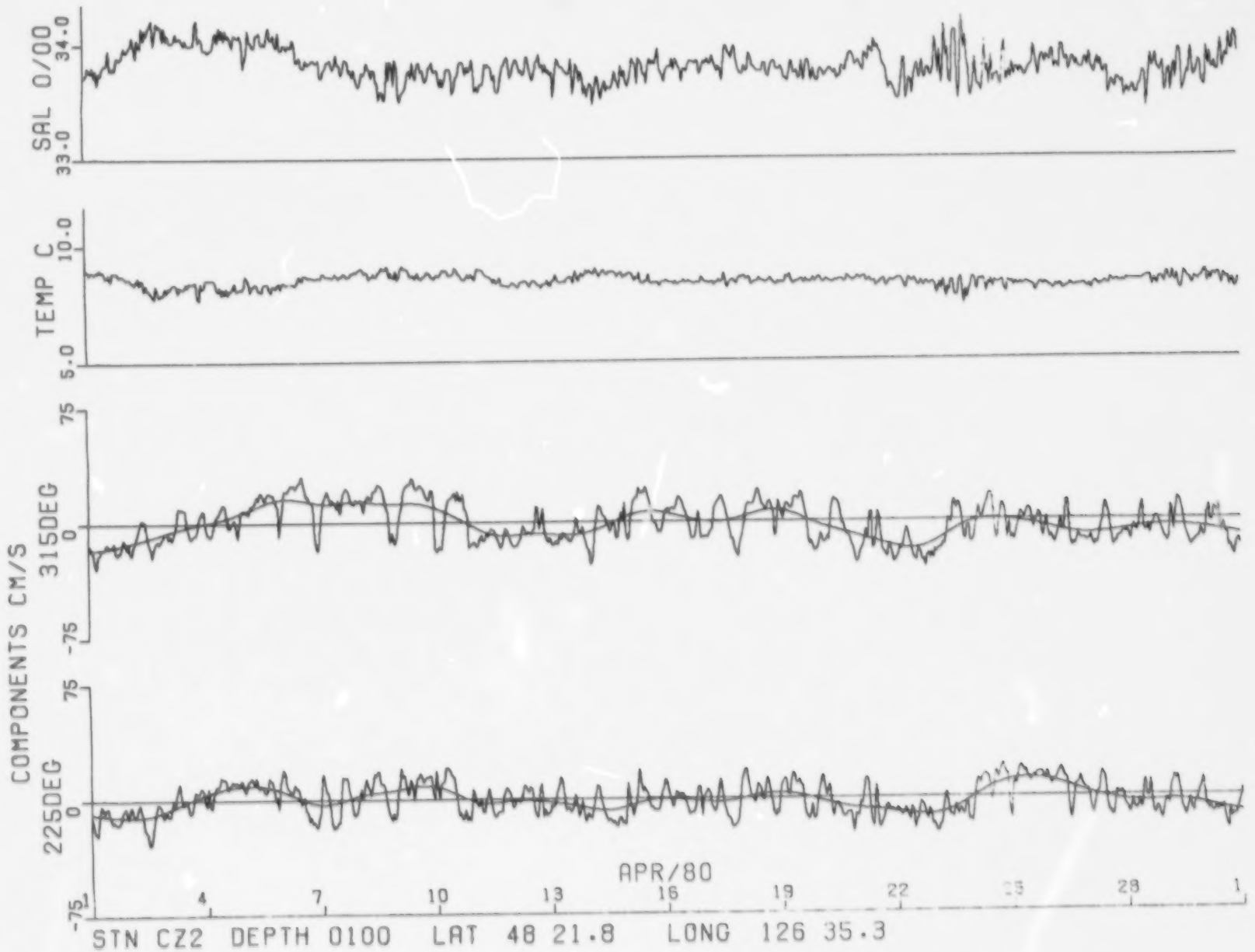
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZZ	0100M	8500	331/79	70

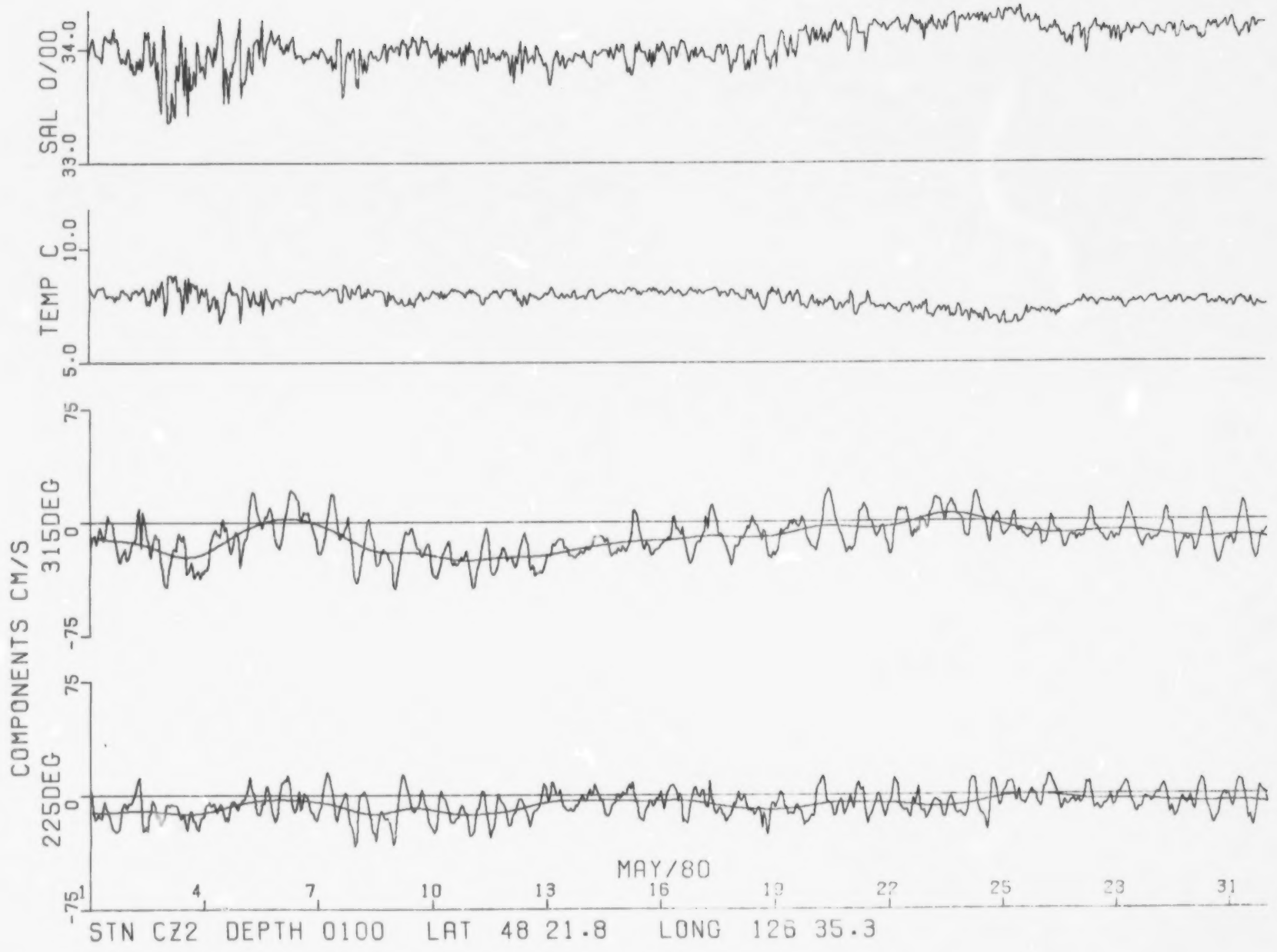
SCALE ⊢—·—·—·—·—⊣
100 KM

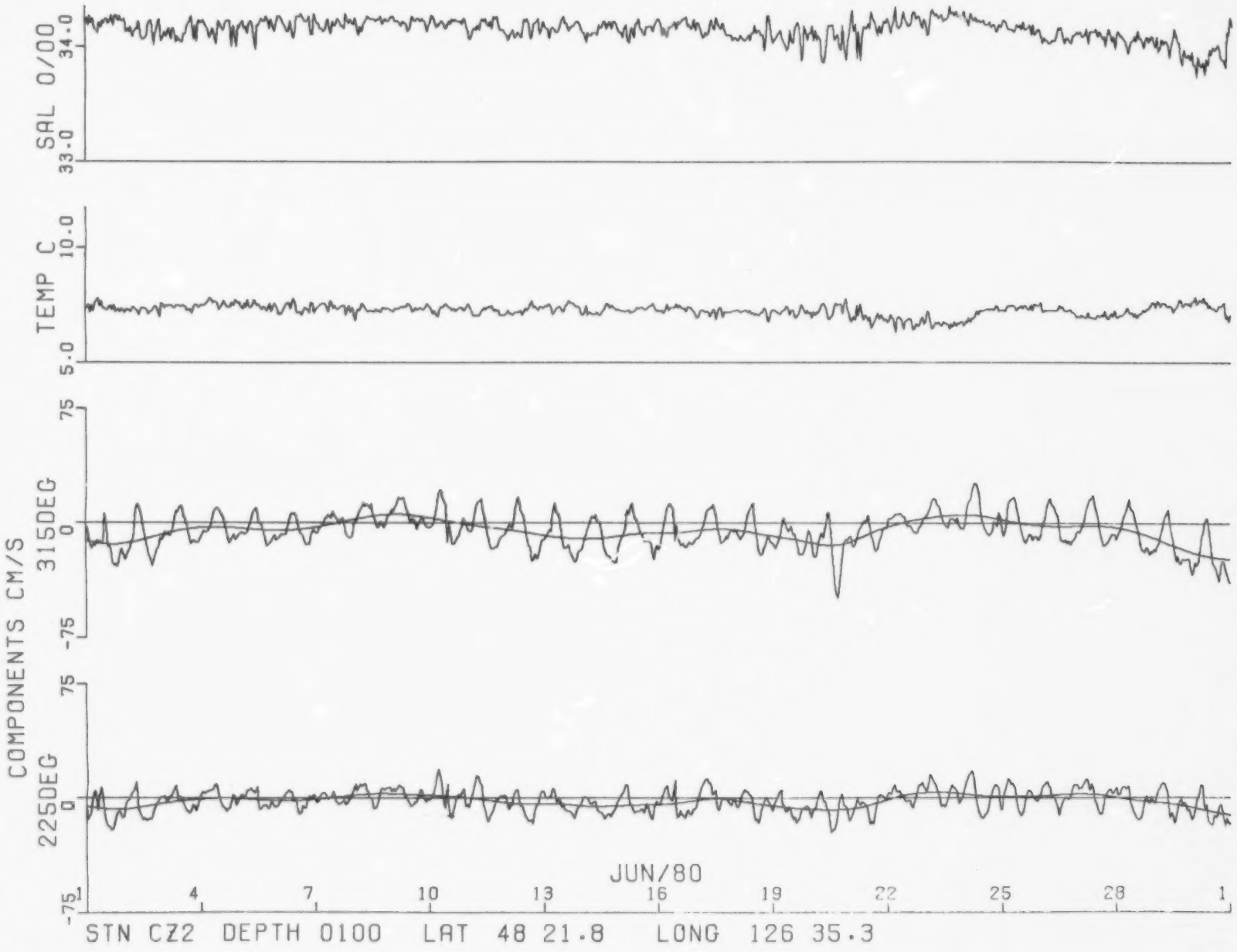

STATION CZ2
DEPTH 100 METRES
START OF RECORD 27/11/1979
DURATION 70 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²=(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

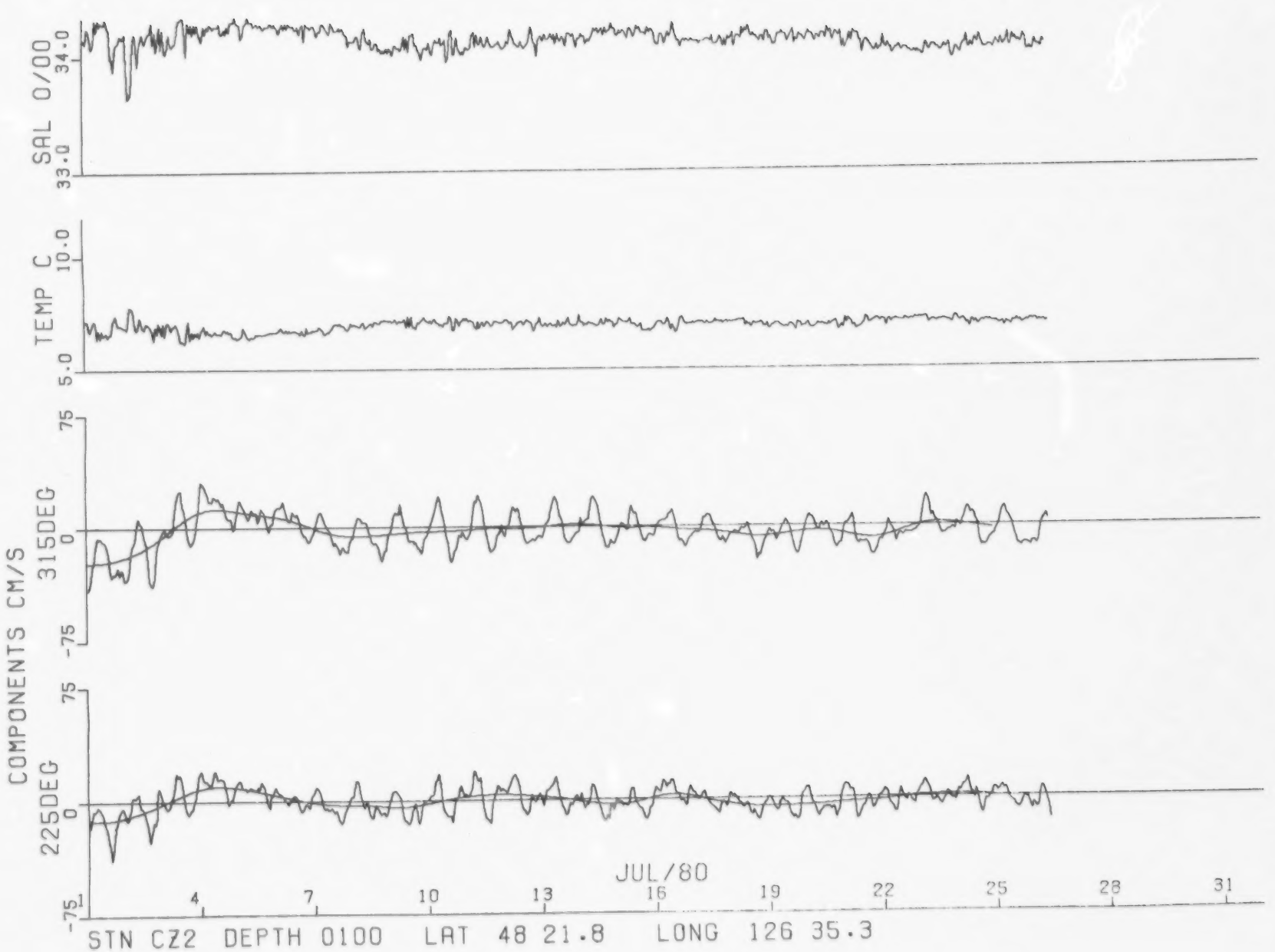

SAL O/OO
34.0
33.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
FEB/80
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 126 35.3


SAL O/OO
34.0
33.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 126 35.3


SAL 0/00
34.0
33.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 126 35.3


SAL O/OO
34.0
33.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 126 35.3


SAL 0/00
34.0
33.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 126 35.3


SAL 0/00
34.0
33.0
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0100 LAT 48 21.8 LONG 126 35.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ2 Depth 0100 PACHENA POINT 48 21.8 N 126 35.3 W Length of record .EQ. 169 Days
Start of record 0 mn 17 hr 7 dy 2 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	005	015	022	009	007																					58
10- 19	001	016	025	019	005	004																				70
20- 29	007	011	035	014	005	003																				75
30- 39	003	024	038	011	005	001	001																			83
40- 49	003	013	043	018	009	002	001																			89
50- 59	004	024	039	017	008	001																				93
60- 69	005	014	050	028	010	004	002		001																	114
70- 79	005	020	048	044	012	007	002		001																	139
80- 89	004	020	042	049	027	010	002	006	001	001																162
90- 99	003	023	049	042	044	011	014	006	002	002																196
100-109	005	022	069	064	055	025	019	007	010	002	002															280
110-119	008	023	076	078	047	033	019	011	012	003																310
120-129	009	033	068	078	052	015	013	004	003	001																276
130-139	005	021	075	055	023	011	006	002																		198
140-149	002	038	045	044	004	003	001																			137
150-159	006	040	037	032	004	002																				121
160-169	002	029	035	022	005	001																				94
170-179	005	020	027	016	002																					70
180-189	003	022	020	013																						66
190-199	005	018	021	013																						57
200-209	001	019	012	007	002																					41
210-219	001	020	017	007																						45
220-229		015	017	014	004																					50
230-239	003	014	024	011	001		001																			54
240-249	005	017	014	016	006																					58
250-259	002	015	035	015	016	003	001																			87
260-269	002	014	024	023	020	006	005																			94
270-279	001	018	031	029	027	013	002	002																		123
280-289	004	018	026	040	019	022	002		001		001															133
290-299	003	012	034	037	026	015	003																			130
300-309	001	008	025	031	011	011	003	002		001																93
310-319	003	013	030	016	017	008	002																			89
320-329	002	015	035	033	013	007	001		001																	107
330-339	002	028	034	029	013	004			001																	111
340-349	006	011	038	022	009	002	001	001																		90
350-359	001	017	023	020	005	003	001																			70
	701		1018		228		41		10		0		0		0		0		0		0		0		0	4073
	127		1295		515		102		33		3		0		0		0		0		0		0		0	

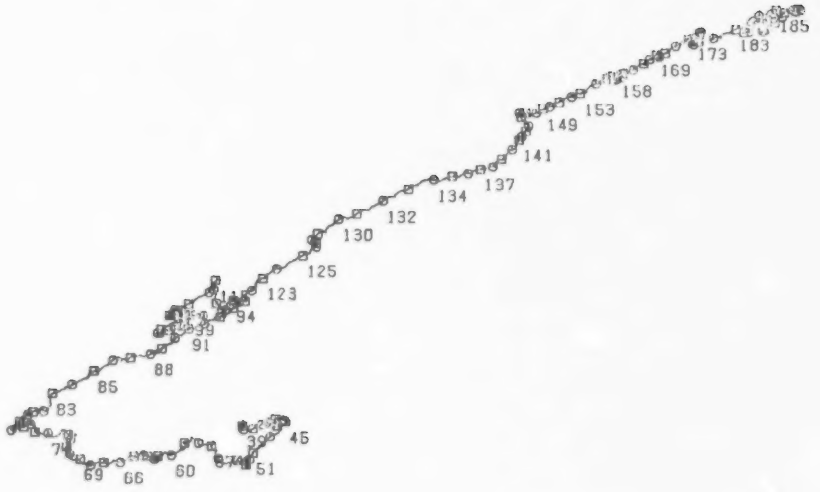
Number of zero rates: 0

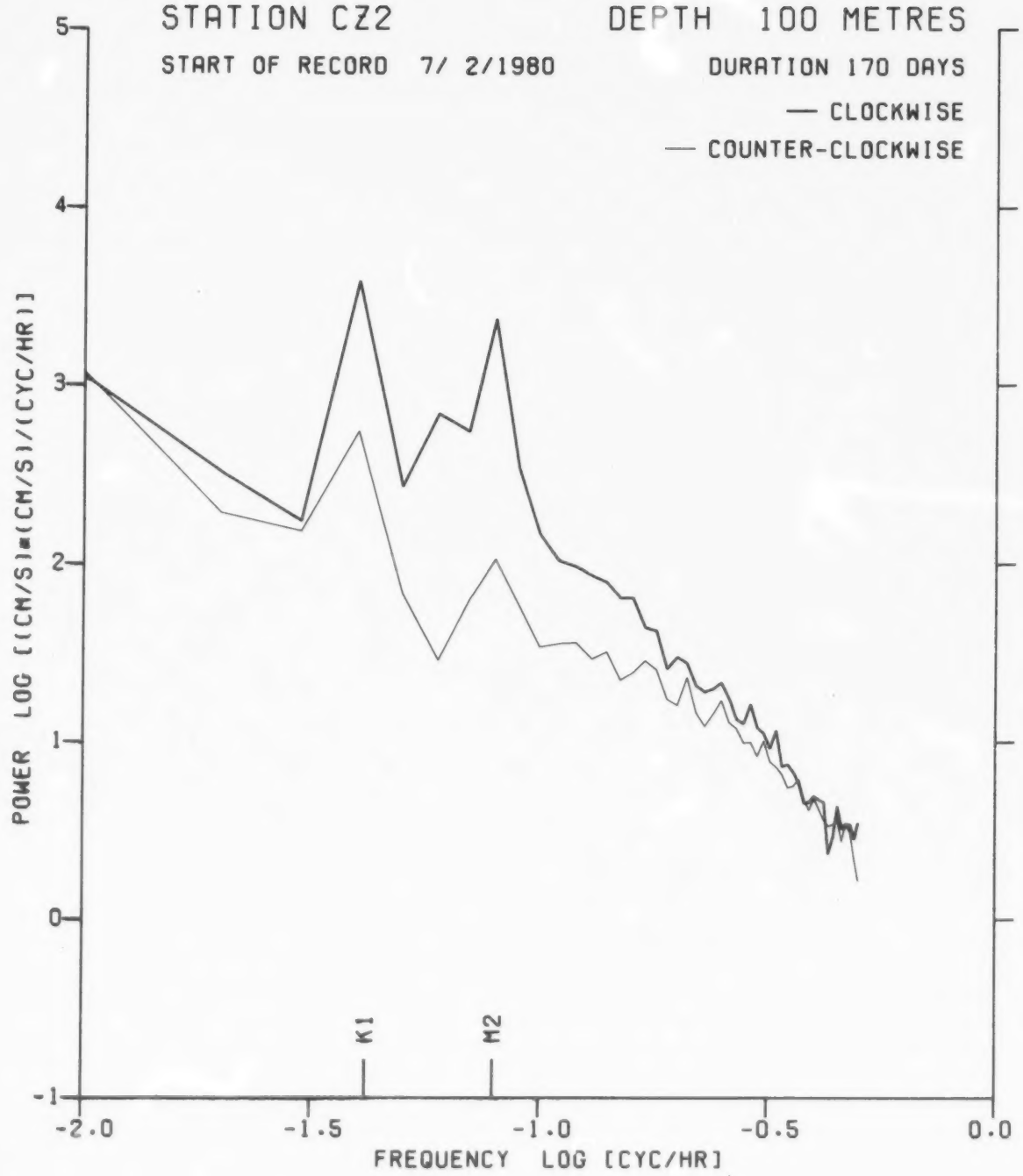
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

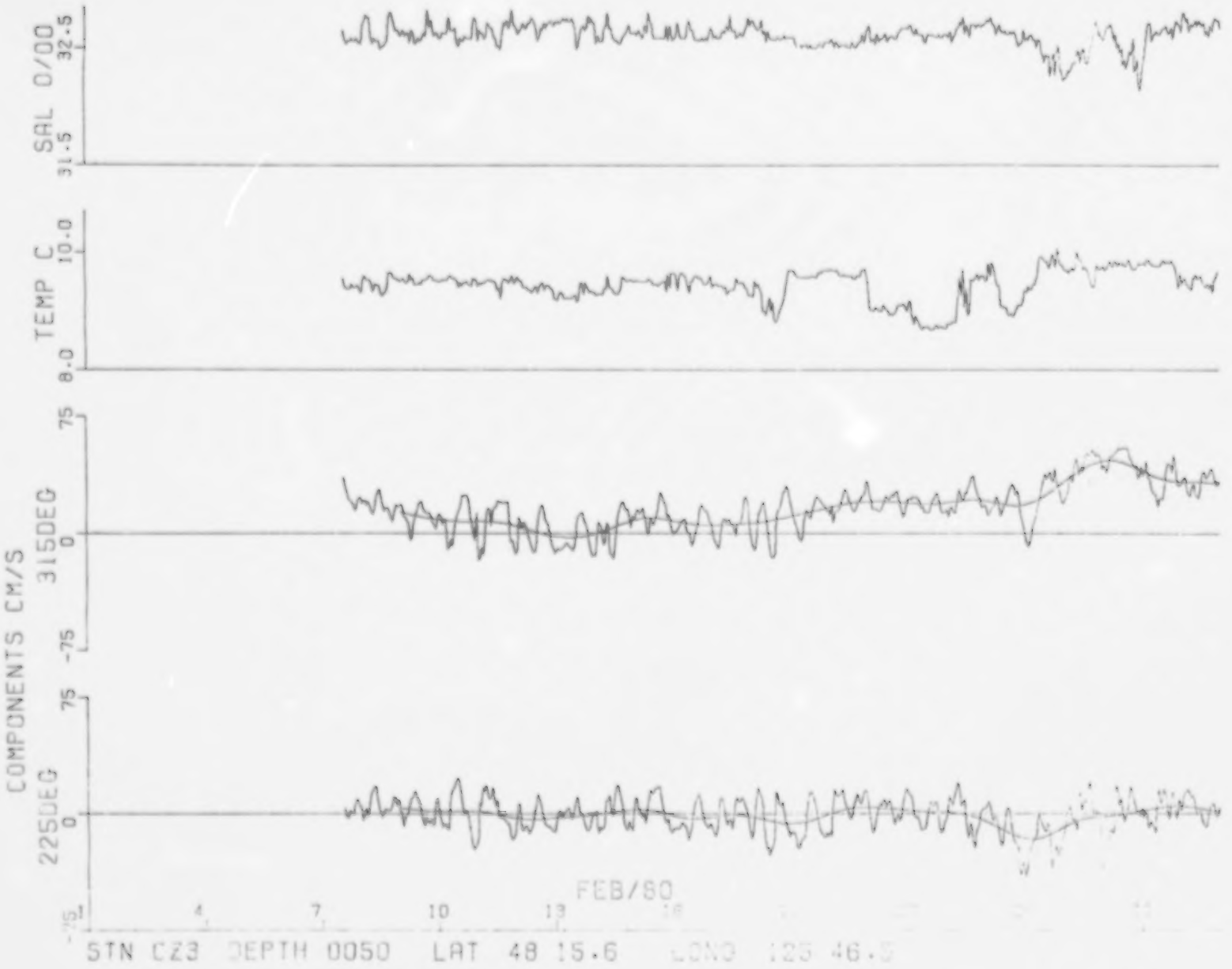
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

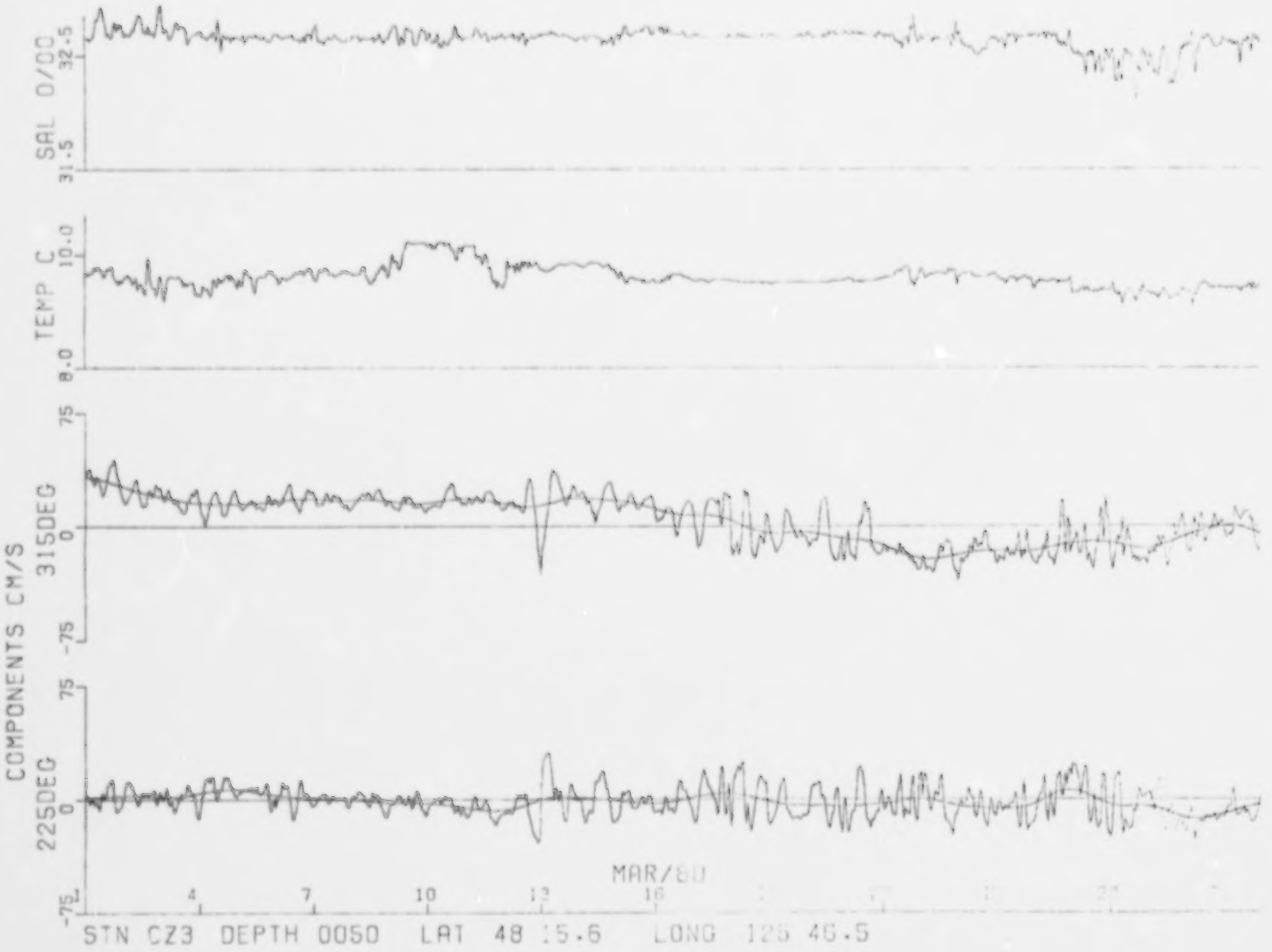
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ2	0100M	8500	38 /80	170

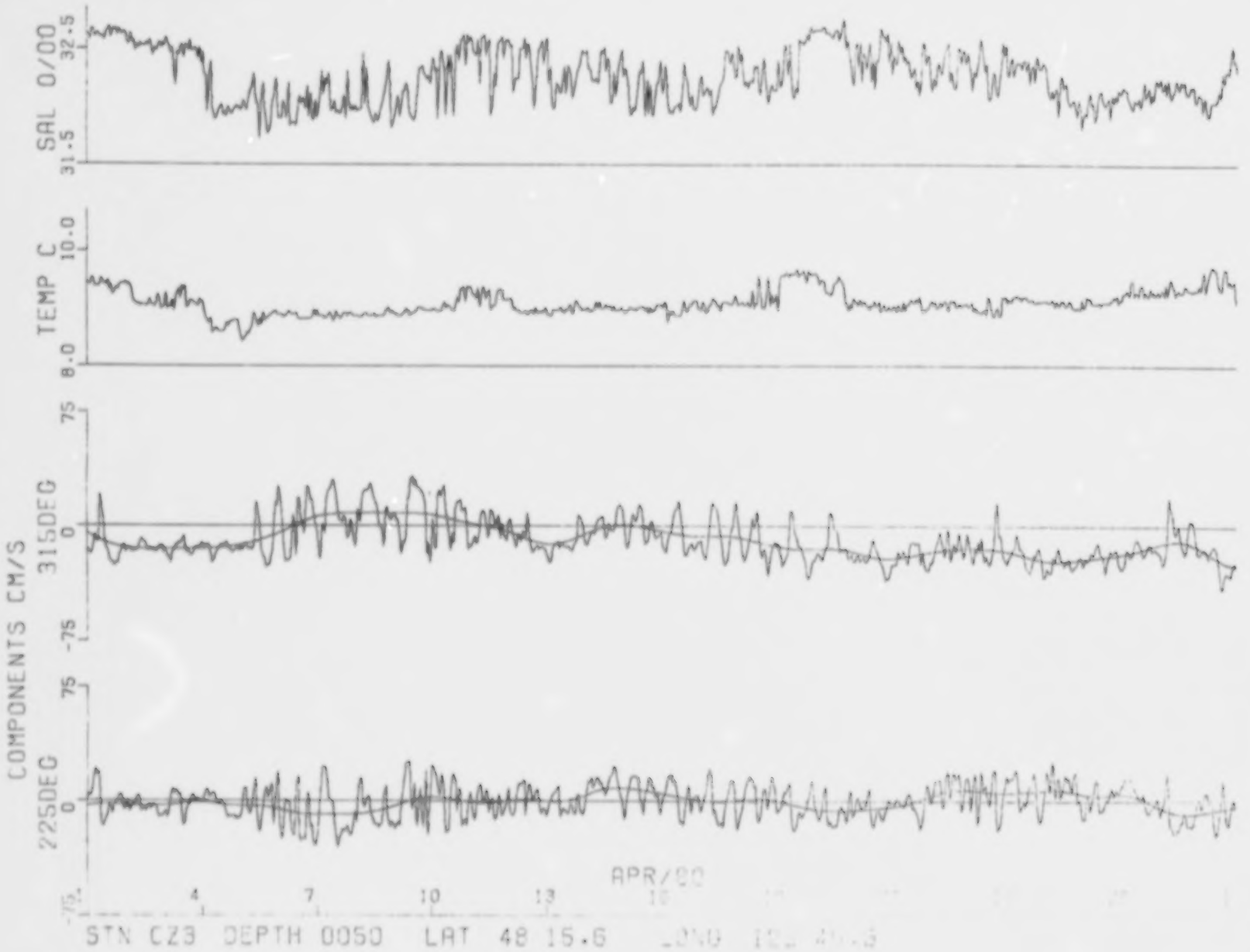
SCALE
100 KM

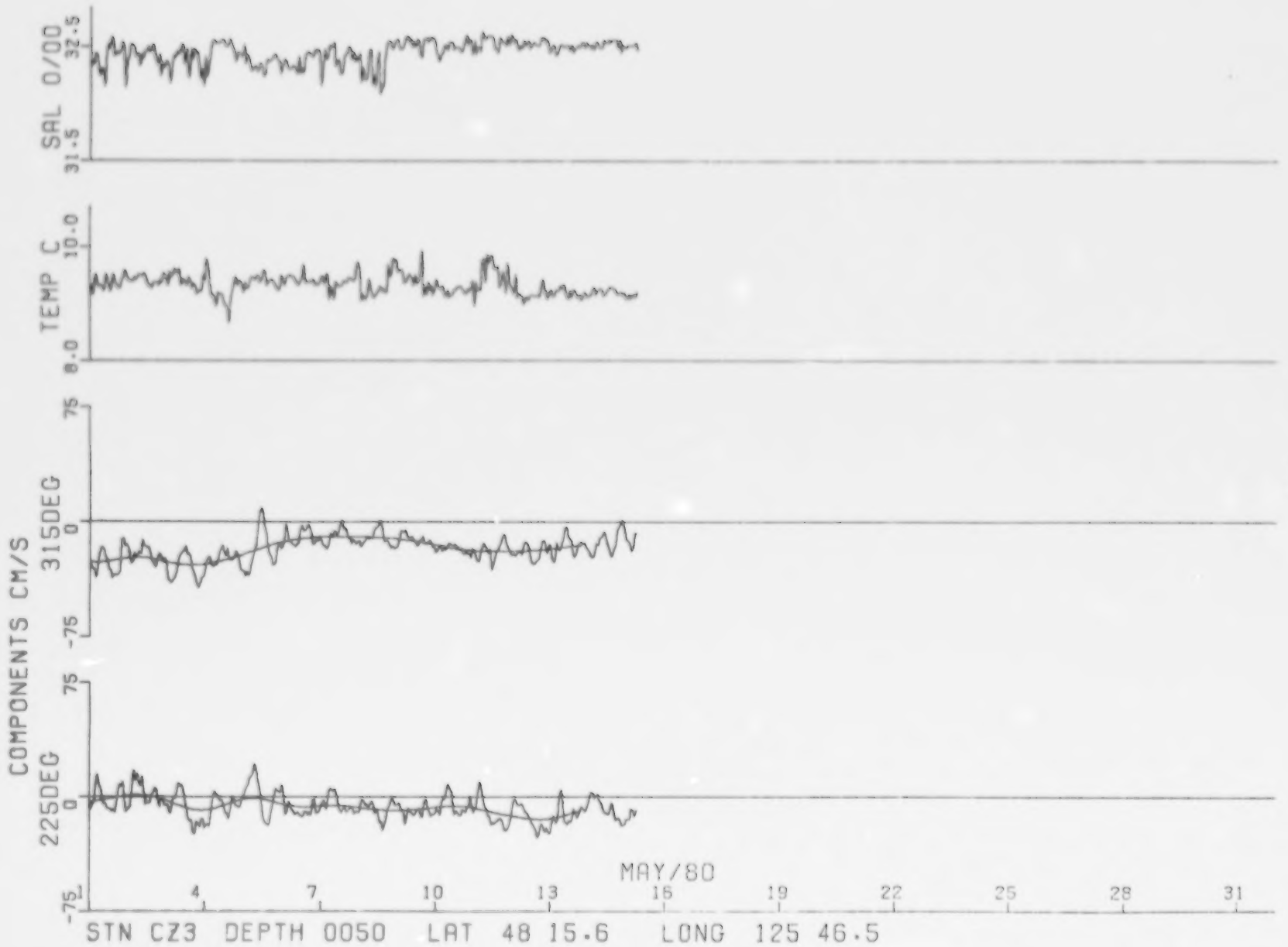



STATION CZ2
DEPTH 100 METRES
START OF RECORD 7/ 2/1980
DURATION 170 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
32.5
31.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
FEB/80
STN CZ3 DEPTH 0050 LAT 48 15.6


SAL O/OO
32.5
31.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
STN CZ3 DEPTH 0050 LAT 48 15.6 LONG 125 46.5


SAL 0/00
32.5
31.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/00
4
7
10
13
STN CZ3 DEPTH 0050 LAT 48 15.6


SAL O/OO
32.5
31.5
TEMP C
10.0
0.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN CZ3 DEPTH 0050 LAT 48 15.6 LONG 125 46.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ3 Depth 0050 PACHENA POINT 48 15.6 N 125 46.5 W Length of record .EQ. 97 Days
Start of record 0 mn 14 hr 7 dy 2 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		005	012	012	003	004					001															37
10- 19		003	013	014	003	001			001																	35
20- 29		004	013	005	004	003	003		001																	33
30- 39		003	006	015	006	003	001																			34
40- 49		003	008	013	009	003		001																		37
50- 59		003	018	019	007		001																			48
60- 69		002	011	020	010	003																				46
70- 79		005	010	011	010	006																				50
80- 89		006	011	023	013	006	002	001																		62
90- 99		004	014	036	017	009	006	001																		87
100-109		003	020	048	030	010	006	003	002																	130
110-119		002	021	044	035	013	005	003	001	001																125
120-129		002	027	049	035	011	012	007	001																	144
130-139		003	023	026	043	017	006	002	001																	121
140-149		001	010	028	034	014	009	003																		107
150-159		003	013	029	020	009	005		001																	80
160-169		007	015	013	011	011	007																			64
170-179		002	012	011	022	007	001																			55
180-189		002	007	018	009	002	001																			39
190-199			006	014	009	001	001																			31
200-209		002	010	005	003	004																				24
210-219		002	005	010	005																					22
220-229		003	005	007	005	001																				21
230-239		001	004	006	004		001																			16
240-249		004	007	006	002																					19
250-259		001	006	012	001	001	001																			22
260-269		003	012	010	009	001	002																			37
270-279			002	020	006	006		001																		35
280-289		002	014	023	007	008	002																			56
290-299			016	031	020	009	005	003	005		005															94
300-309		003	022	030	035	019	004	006	005	003	005															140
310-319		005	018	030	047	020	010	009	007	002	008															156
320-329		001	025	027	030	011	006	009	004	002	004															119
330-339		004	012	030	012	006	009	001																		74
340-349		002	016	025	017	005	004	003	002	003		001														78
350-359		004	015	017	013	005	003	002	002	001	001															63
	100		747		229		55		12		1		0		0		0		0		0		0		0	2345
	0	484		547		113		33		24		0		0		0		0		0		0		0		

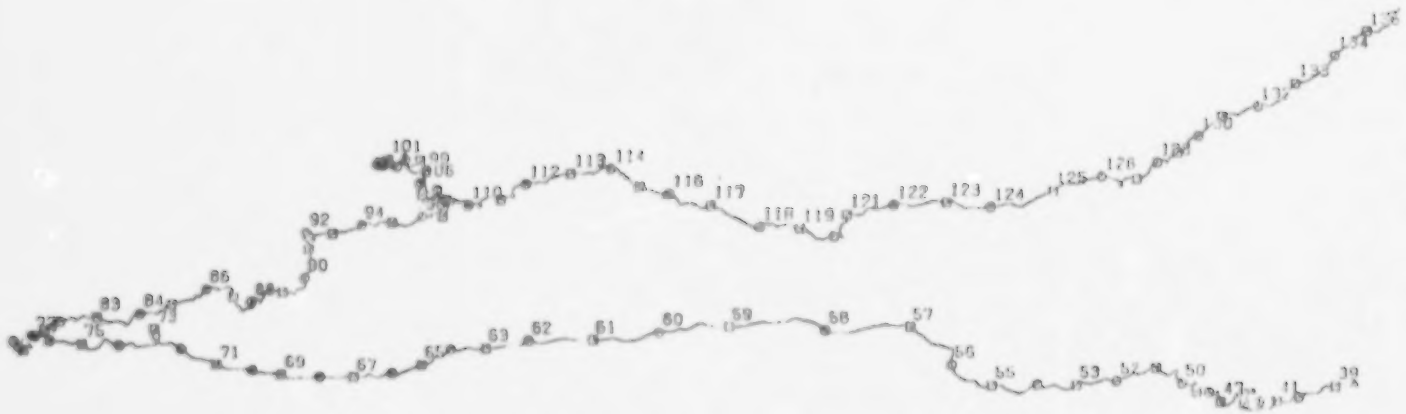
Number of zero rates: 0

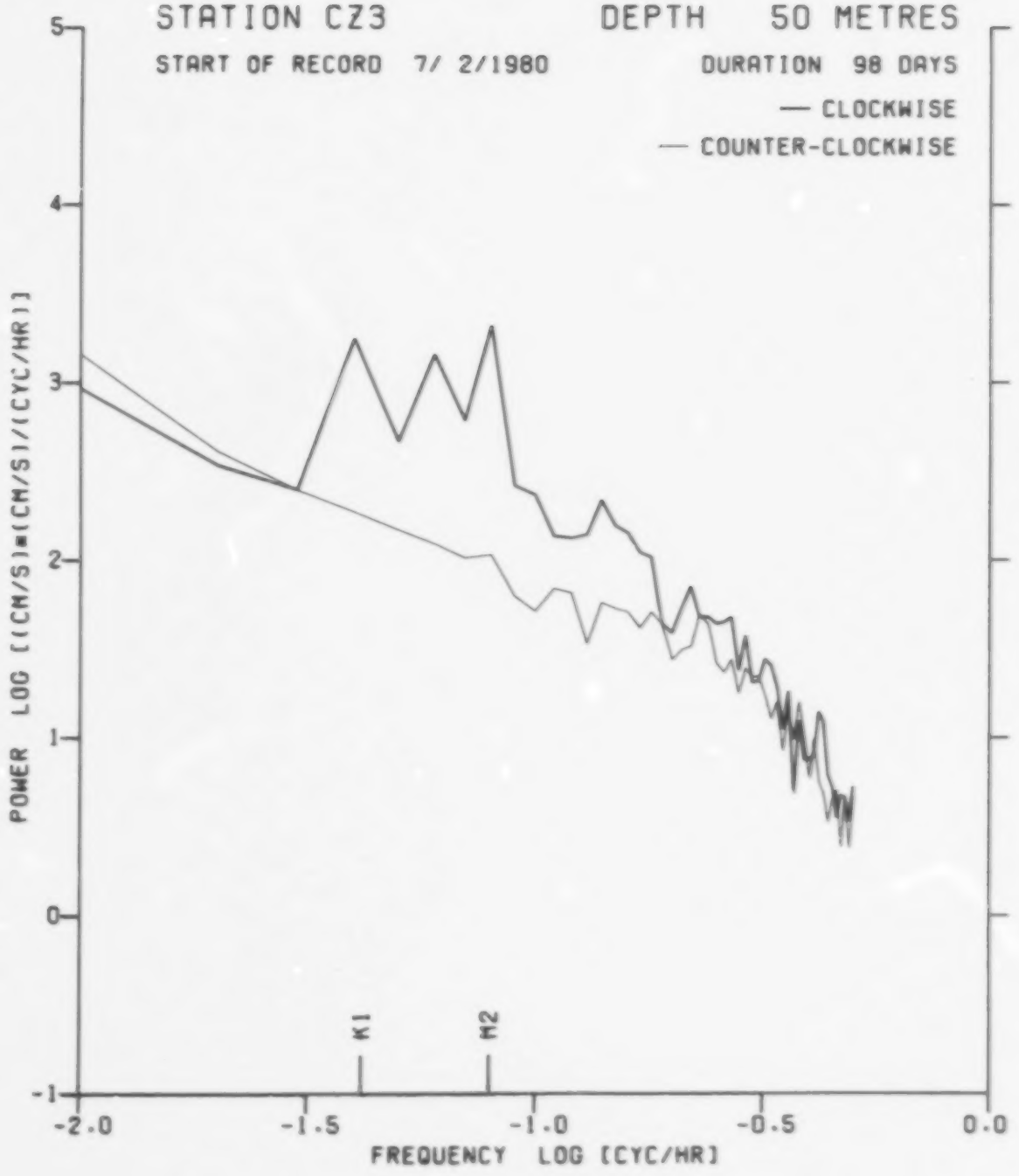
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

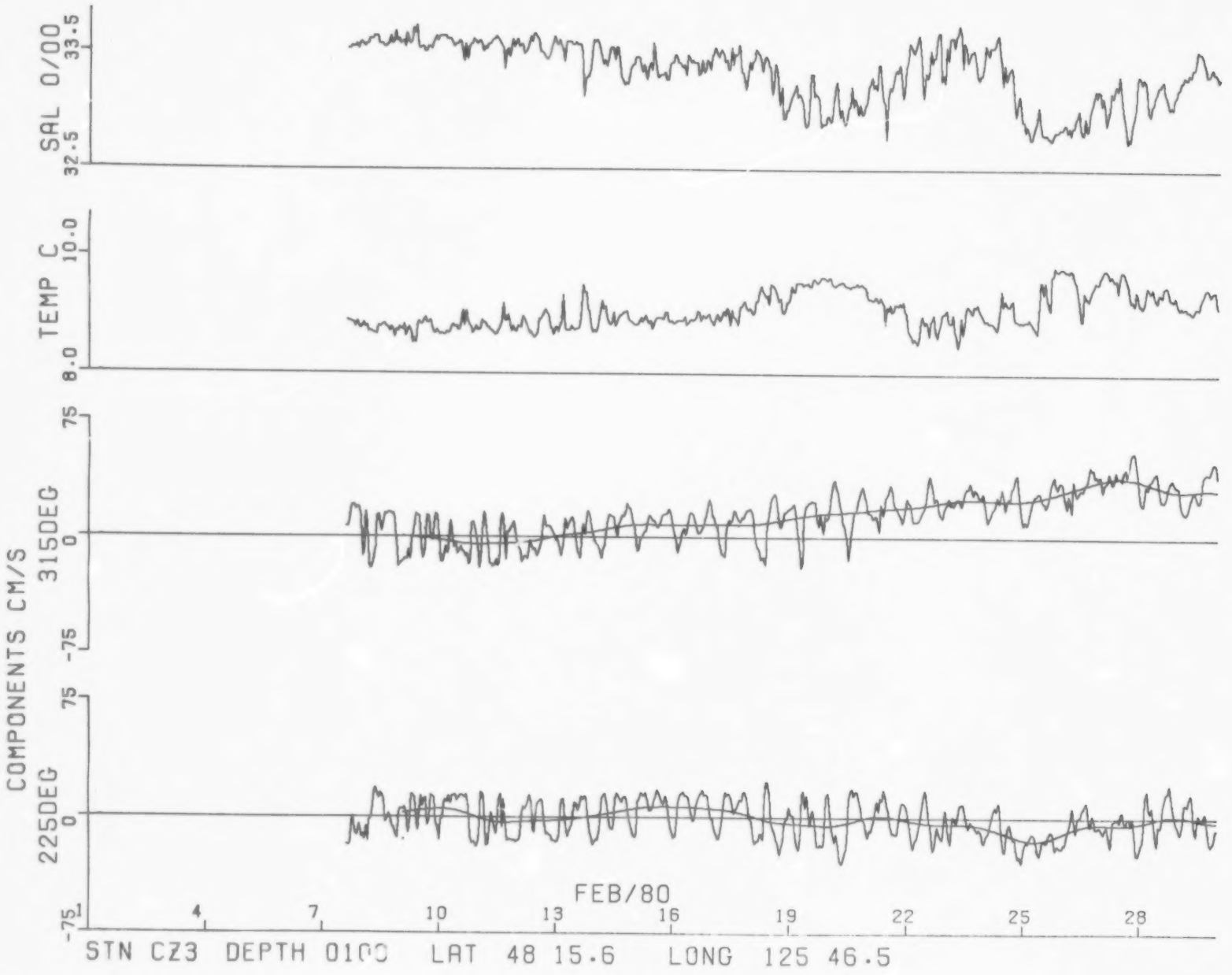
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ3	0050M	8500	38 /80	98

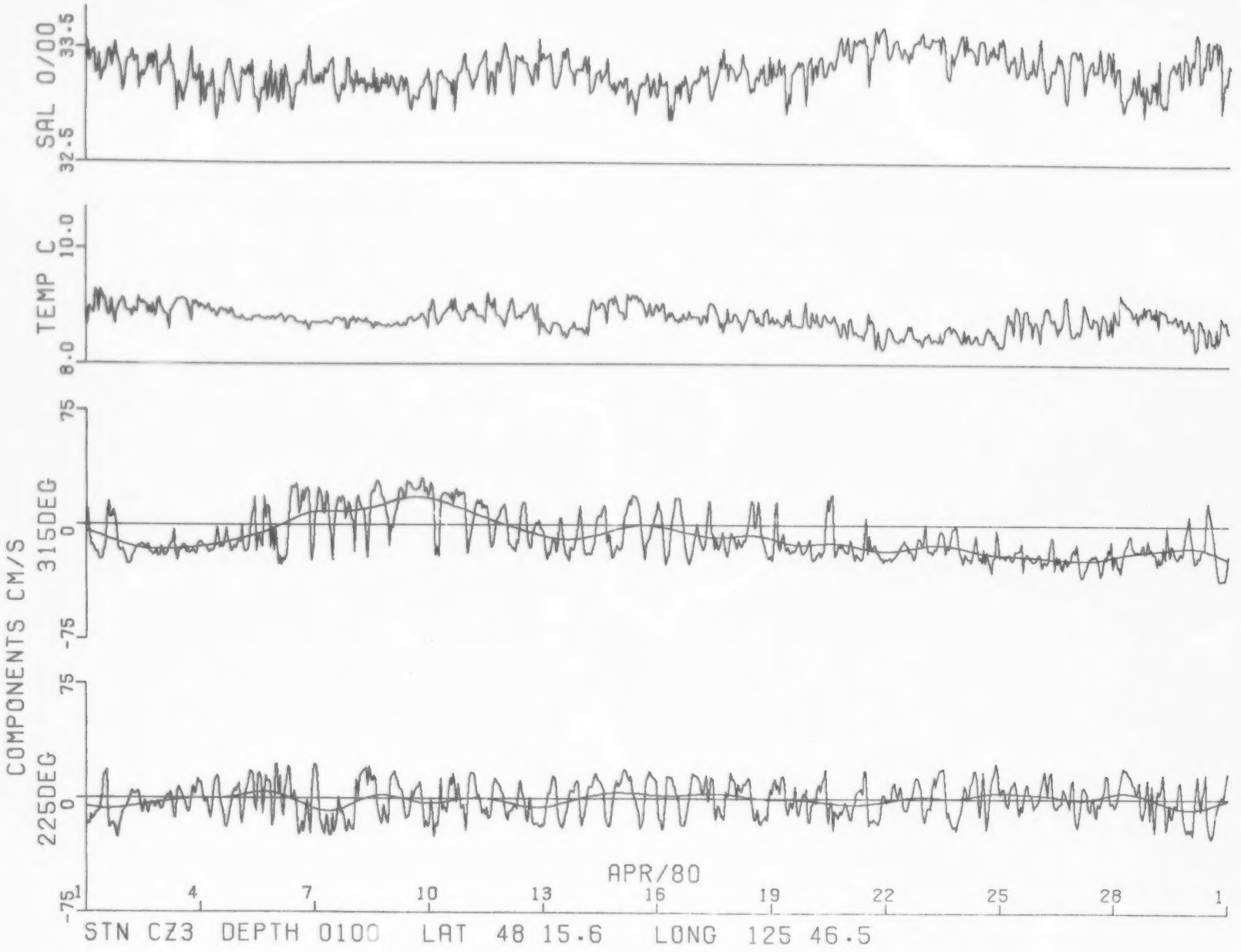
SCALE
100 KM




STATION CZ3
DEPTH 50 METRES
START OF RECORD 7/ 2/1980
DURATION 98 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.5
32.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
4
7
10
13
16
19
22
25
28
STN CZ3 DEPTH 0100 LAT 48 15.6 LONG 125 46.5

SAL 0/00
32.5
33.5
TEMP C
8.0
10.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
STN CZ3 DEPTH 0100 LAT 48 15.6 LONG 125 46.5
MAR/80
4
7
10
13
16
19
22
25
28
31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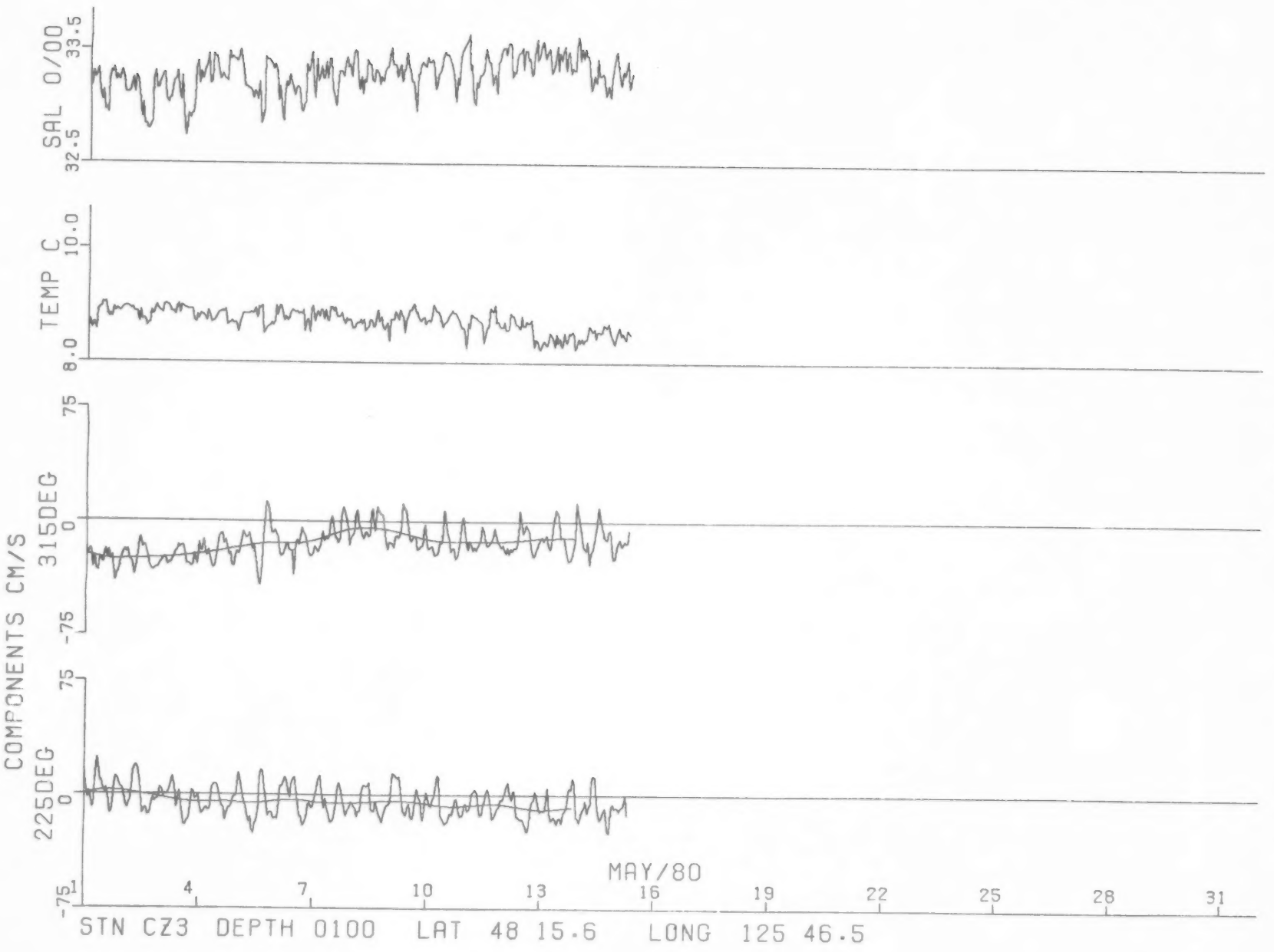
33.5
32.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ3 DEPTH 0100 LAT 48 15.6 LONG 125 46.5


SAL 0/00
33.5
32.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ3 DEPTH 0100 LAT 48 15.6 LONG 125 46.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ3 Depth 0100 PACHENA POINT 48 15.6 N 125 46.5 W Length of record .EQ. 97 Days
Start of record 0 mn 15 hr 7 dy 2 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9			008	021	009	005	002	002																		47
10- 19		001	016	028	013	006	002																			66
20- 29		002	008	020	012	008	001																			51
30- 39			008	017	012	003																				40
40- 49			006	017	009	002																				33
50- 59			007	017	015	001																				40
60- 69			009	016	006	004	002																			39
70- 79			005	025	008	004																				42
80- 89			013	032	012	006	002	002																		67
90- 99		001	013	027	020	007	005																			73
100-109		002	010	035	032	004	004	003	001																	91
110-119			012	040	038	013	009	001																		113
120-129			008	037	047	015	013	001	001																	122
130-139			010	032	039	020	006	005																		112
140-149		002	005	042	043	009	007	003																		111
150-159			012	033	036	010	003	002																		96
160-169			006	026	026	009	001	001																		69
170-179		003	009	019	022	009	002																			64
180-189			008	022	013	007	001																			51
190-199			014	018	011	003																				46
200-209			006	017	007																					30
210-219			009	005	009																					23
220-229			011	008	003	001																				23
230-239			012	010	003																					25
240-249		001	009	014	004	004																				32
250-259			011	012	010	001																				34
260-269			006	026	010	001																				43
270-279		001	014	024	015	006																				60
280-289			010	013	008	013	004	001	001																	50
290-299			013	019	017	007	001	003	001																	61
300-309		001	013	021	015	009	010	007	001																	77
310-319			010	029	026	013	010	009	007	002	001	001														108
320-329			009	039	022	026	011	008	007	001	001	001														125
330-339			009	032	024	027	012	004	005	002	002															117
340-349		001	008	029	025	014	006	003	006	001	001															94
350-359			007	017	015	017	005	002	001																	64
	15		841		285		57		6		2		0		0		0		0		0		0		0	2345
	0		346		638		119		31		5		0		0		0		0		0		0			

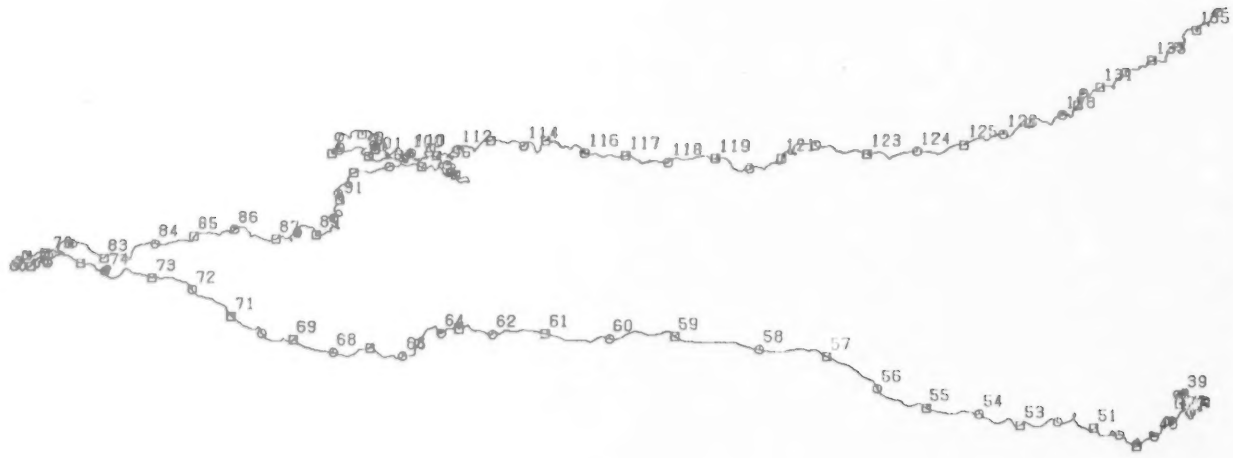
Number of zero rates: 0

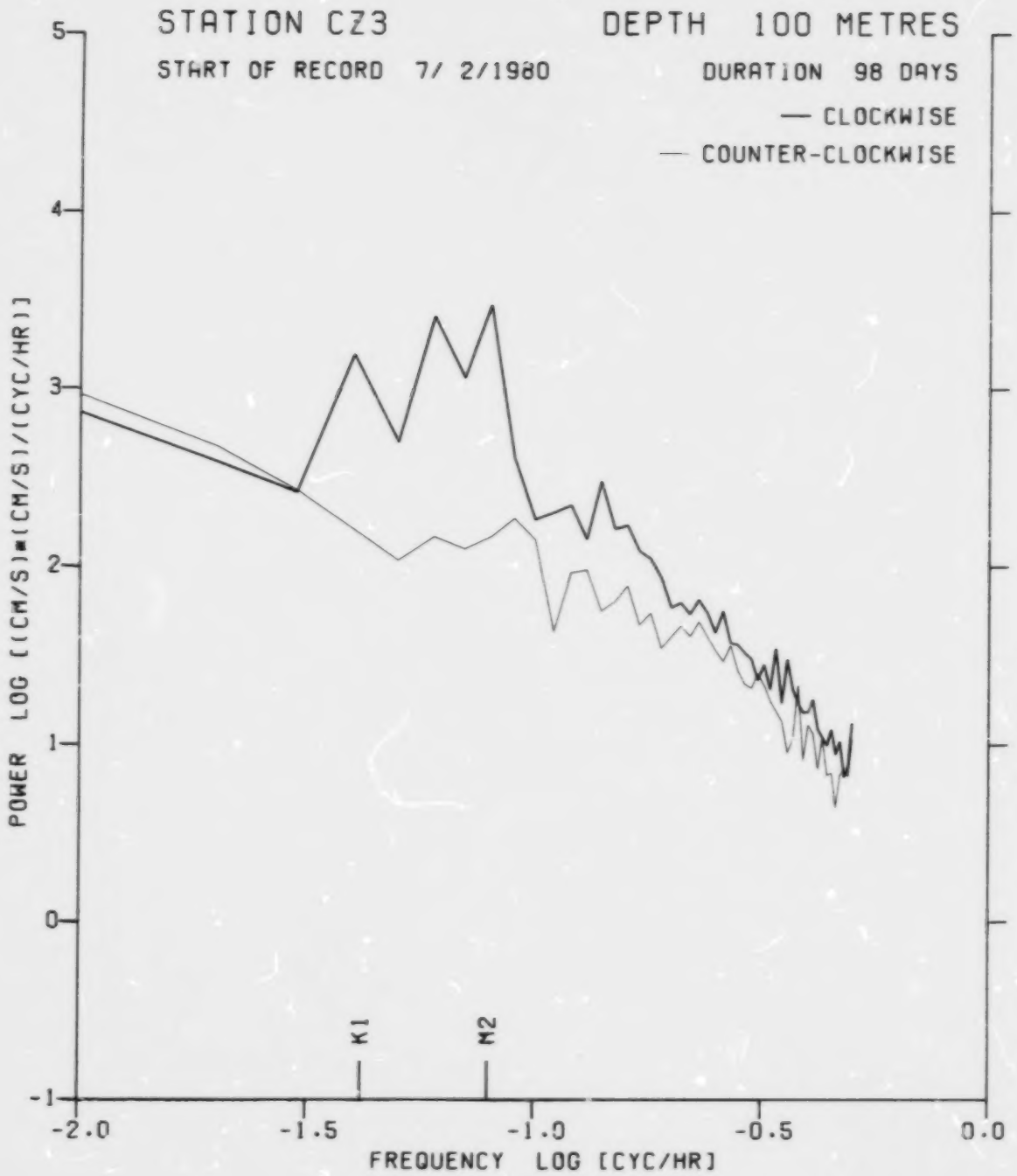
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

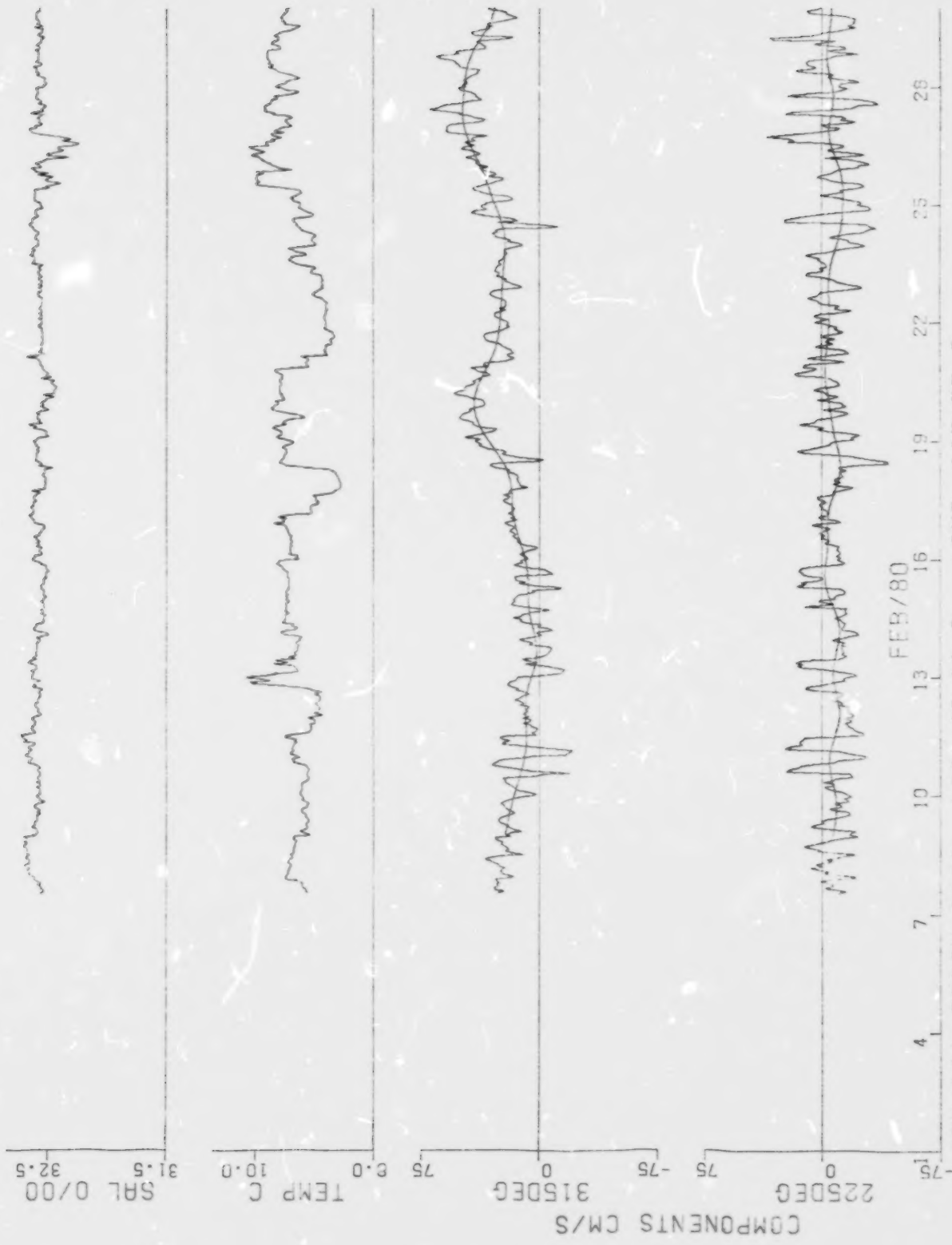
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

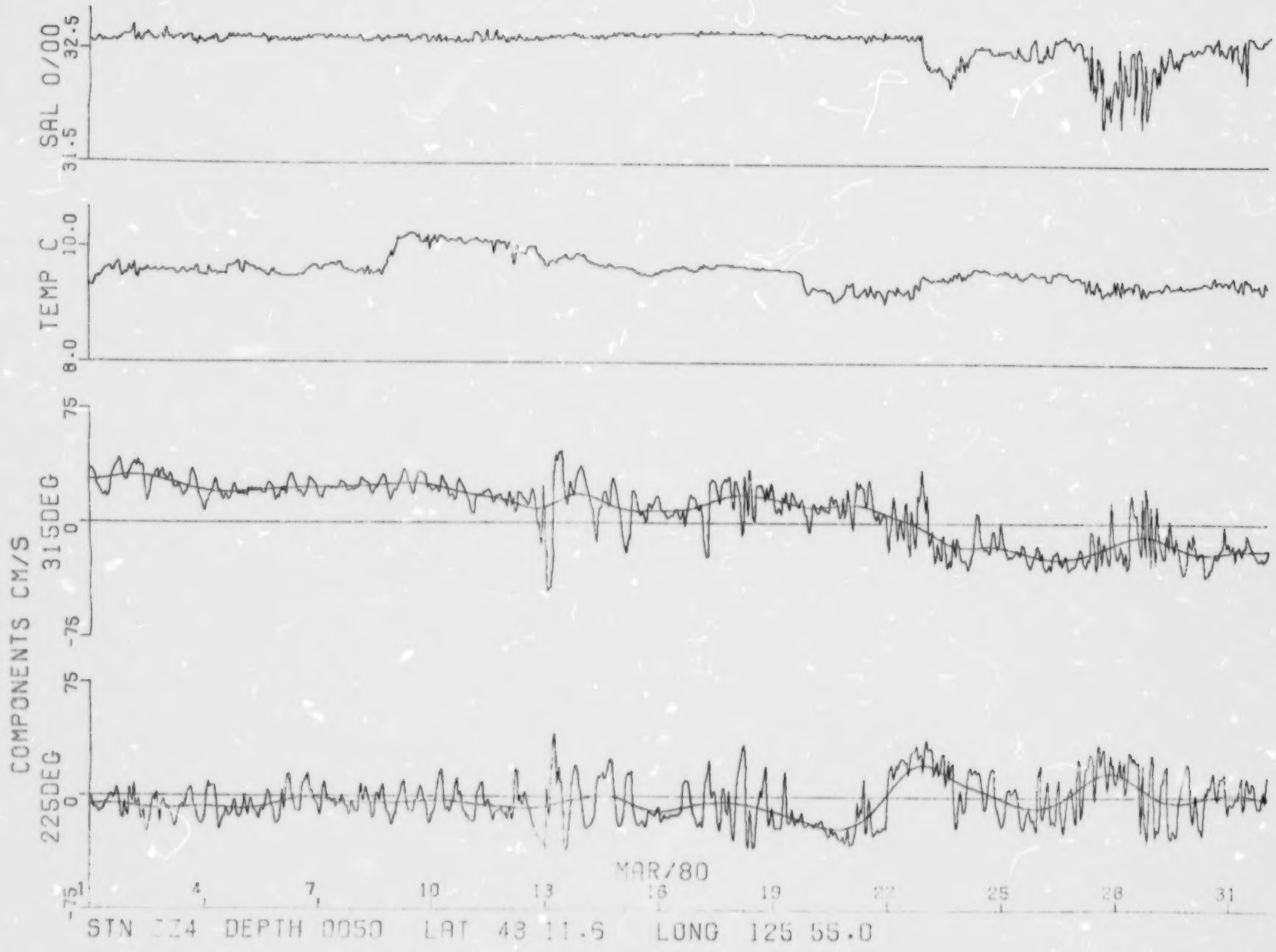
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ3	0100M	8500	38 /80	98

SCALE 100 KM




STATION CZ3
DEPTH 100 METRES
START OF RECORD 7/ 2/1980
DURATION 98 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


STN CZ4 DEPTH 0050 LAT 48 11.6 LONG 125 55.0
FEB/80
1 4 7 10 13 16 19 22 25 28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75 0 -75
10.0
5.0
32.5
31.5


SAL 0/00
32.5
31.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN 224 DEPTH 0050 LAT 43 11.5 LONG 125 55.0

SIN CZ4 DEPTH 0050 LAT 48 11.6 LONG 125 55.0
APR/80
4
7
10
13
16
19
22
25
28
1
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
8.0
10.0
SAL 0/00
31.5
32.5

STN CZ4 DEPTH 0050 LAT 48 11.6 LONG 125 55.0
MAY/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
8.0
10.0
SAL 0/00
31.5
32.5

SIN CZ4 DEPTH 0052 LAT 48 11.6 LONG 125 55.0
JUN/80
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
8.0
10.0
31.5
32.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0050 PACHENA POINT 48 11.6 N 125 55.0 W Length of record .EQ. 124 Days
Start of record 0 mn 13 hr 7 dy 2 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9			006	012	020	014	005	004	002																	63
10- 19			010	017	017	012	002																			58
20- 29			005	022	015	012	004	001		001																60
30- 39		001	007	008	010	006	003	001																		36
40- 49			003	007	010	004	004		001																	29
50- 59		002	004	007	008	006	007																			34
60- 69		001	007	011	008	004	001	002																		34
70- 79		001	011	009	012	007	003	001																		44
80- 89		002	010	014	026	017	002			001																72
90- 99		003	013	028	030	014	003	001																		92
100-109		002	013	030	038	026	011	003																		123
110-119		004	014	053	041	033	011	005	002																	163
120-129		003	012	040	058	034	015	008	004																	174
130-139		002	014	042	059	032	023	005	001																	178
140-149	001	001	019	023	045	035	033	005	001																	163
150-159		002	015	047	036	045	018	005	001																	169
160-169		004	010	039	043	035	014	002																		147
170-179		001	008	031	042	019	013	002																		116
180-189		002	003	032	020	020	007	002	002																	88
190-199		005	009	024	024	011	014	002	001																	90
200-209		001	005	015	023	010	008	003																		65
210-219		001	003	012	014	006	008	002																		46
220-229			001	004	018	006	003																			32
230-239			001	006	011	002	003	001	001																	25
240-249		002	002	005	007	007	003																			26
250-259			003	008	007	007	001	003																		29
260-269		001	002	003	006	005	004	006		001																28
270-279		001	001	005	004	007	002		001																	21
280-289			001	004	011	009	003	003		003																34
290-293			001	011	011	007	005	005	004	001	002		001													48
300-309		001		011	018	028	010	006	006	004	003	002														81
310-319		002	001	023	024	027	014	011	007	006	005	002	001	001												124
320-329		001	002	024	033	032	017	017	011	008	004	002	002													153
330-339		001	002	018	037	031	009	015	009	007	004	001	002	001												137
340-349			004	021	026	012	011	006	007	004	001															102
350-359		001		023	029	024	008	002	004	007		001	001													100
	48		692		599		130		43		8		2		0		0		0		0		0			2994
	1	223		855		302		65		19		7		0		0		0		0		0				

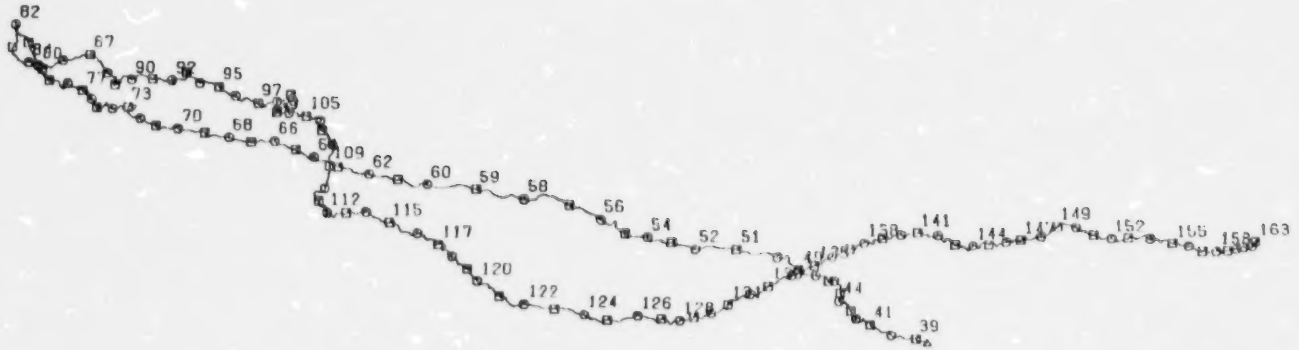
Number of zero rates: 0

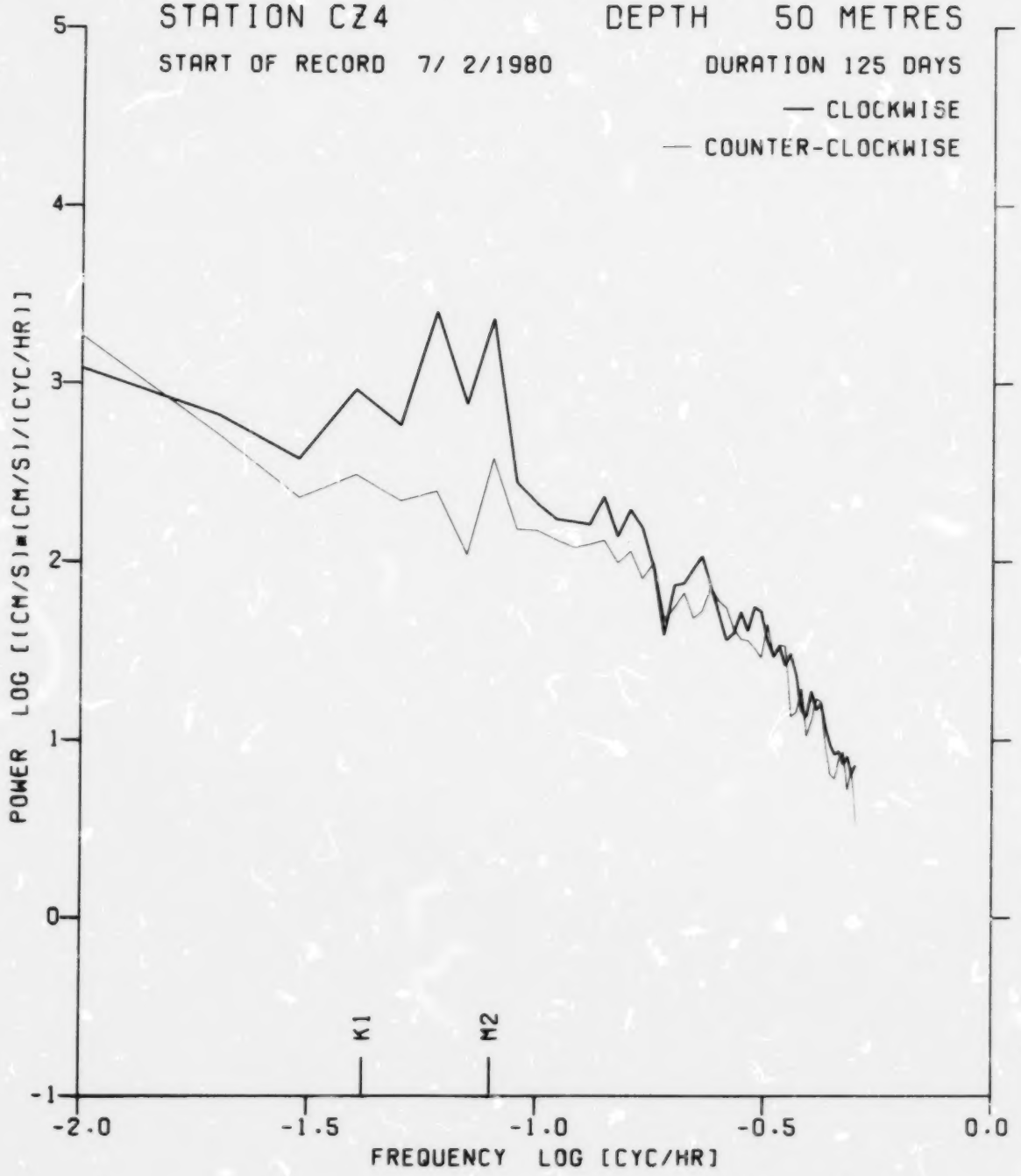
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

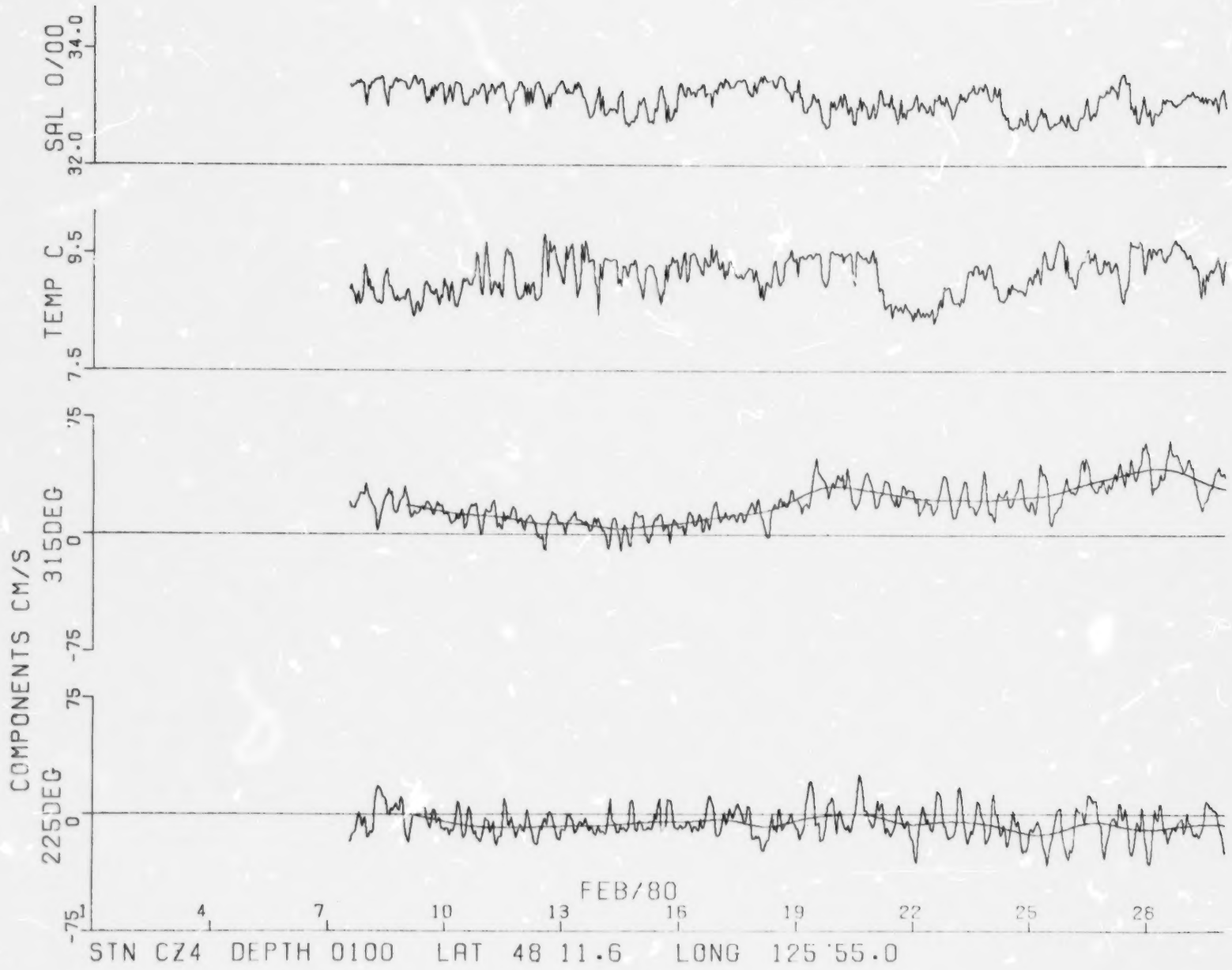
⊠ODD NUMBERED DAYS
●EVEN NUMBERED DAYS

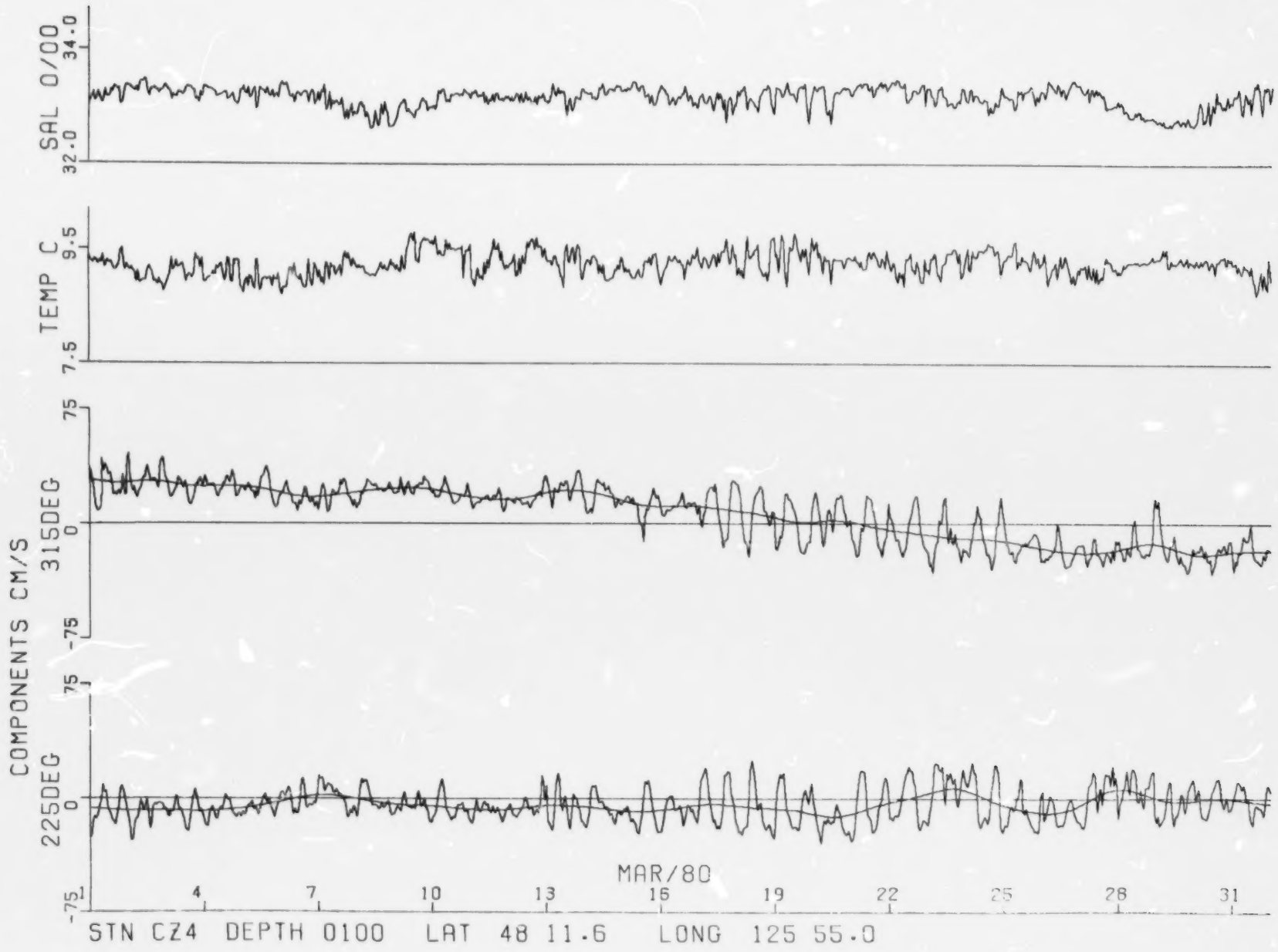
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0050M	8500	38 /80	125

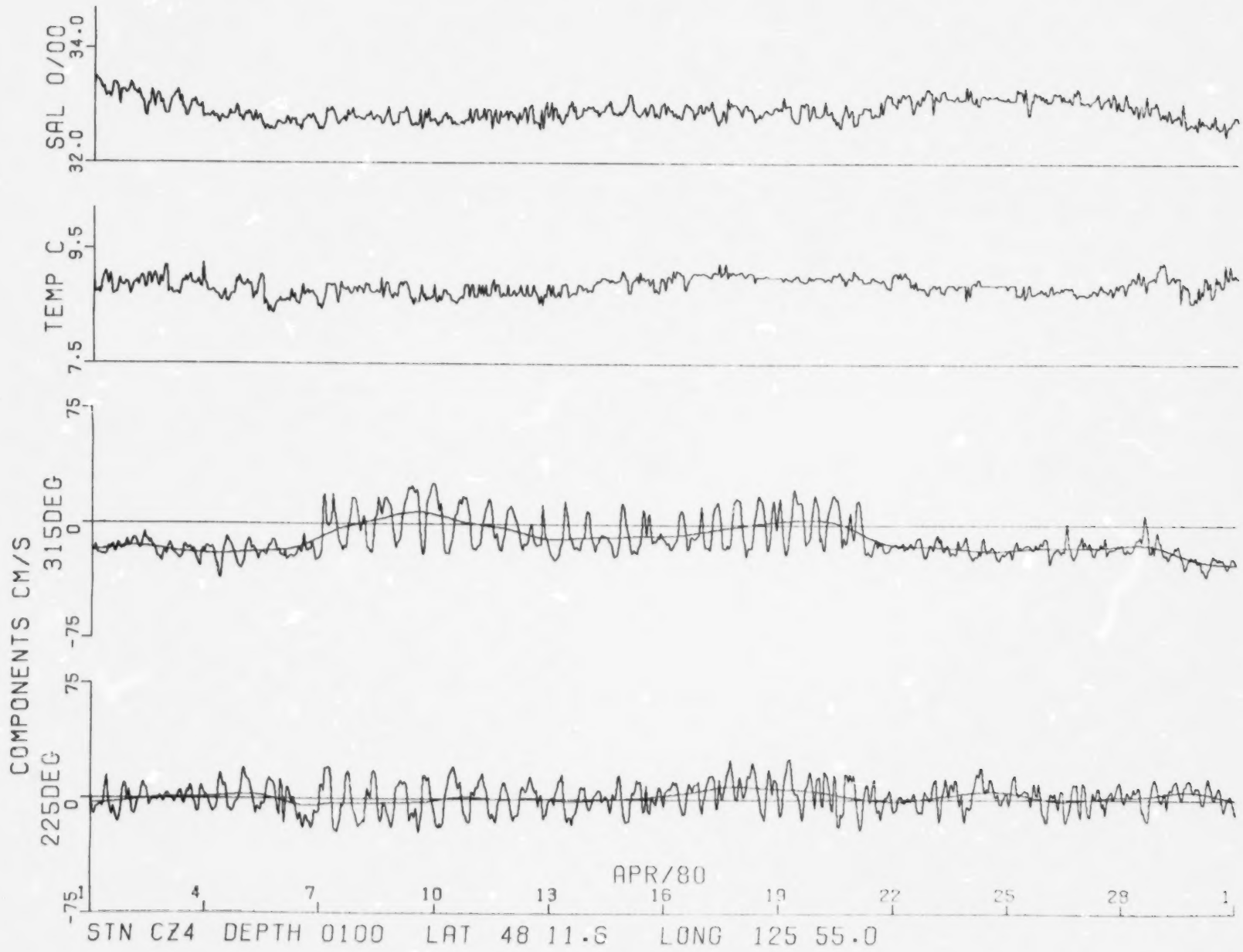
SCALE 100 KM

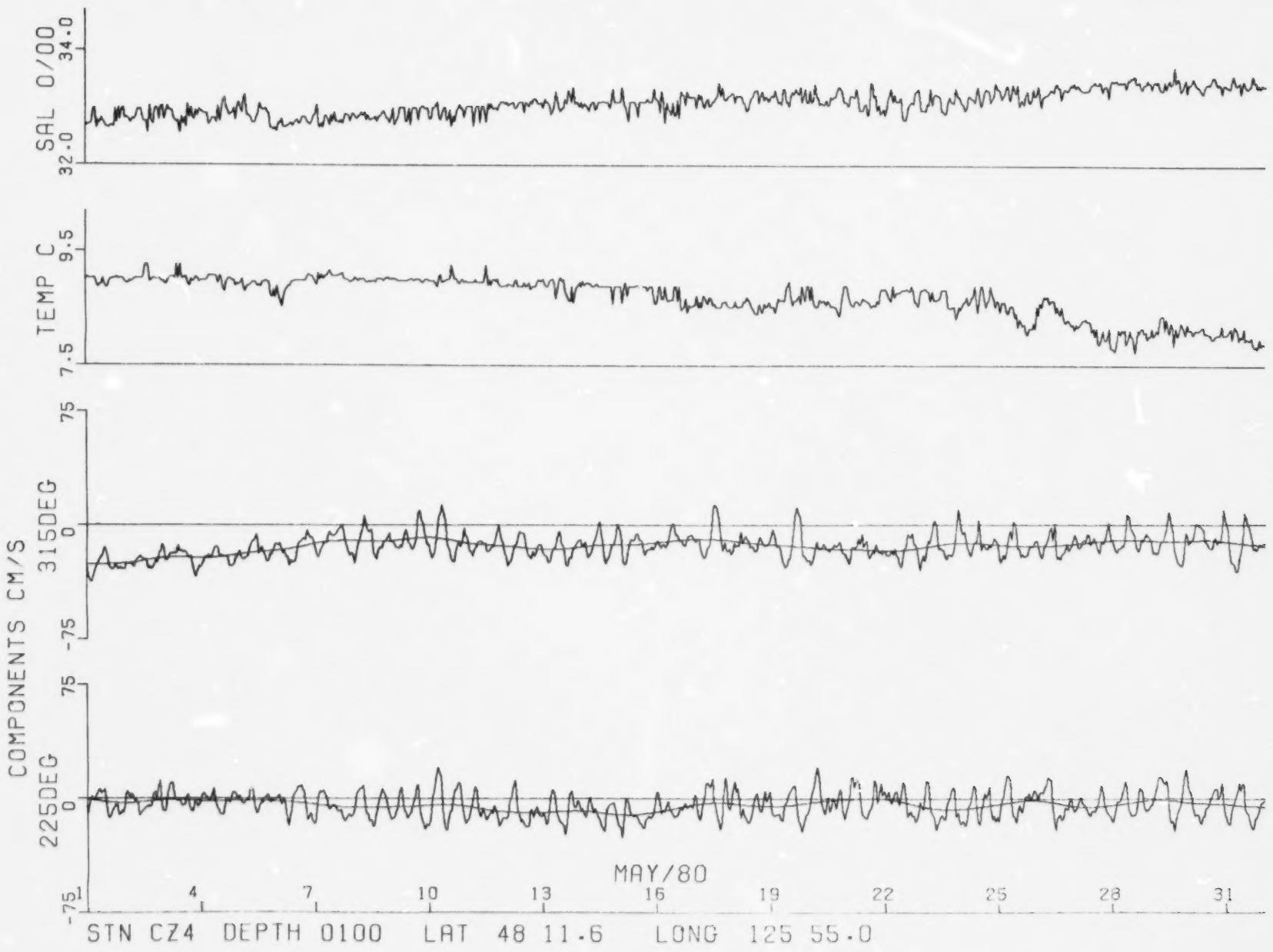


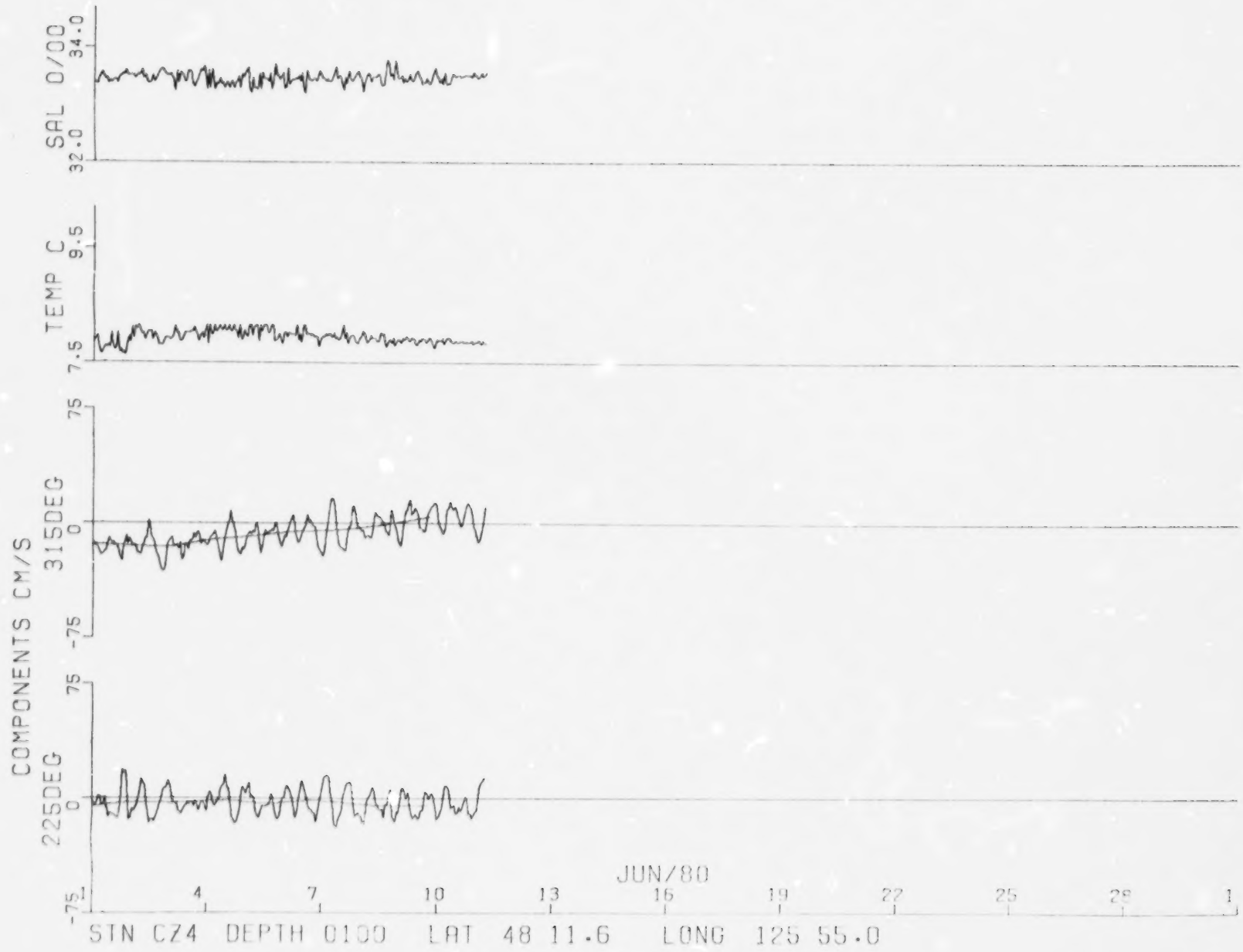

STATION CZ4
DEPTH 50 METRES
START OF RECORD 7/ 2/1980
DURATION 125 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
4
7
10
13
16
19
22
25
28
STN CZ4 DEPTH 0100 LAT 48 11.6 LONG 125 55.0


SAL O/OO
34.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0100 LAT 48 11.6 LONG 125 55.0


SAL O/OO
34.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0100 LAT 48 11.6 LONG 125 55.0


SAL O/OO
34.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0100 LAT 48 11.6 LONG 125 55.0


SAL O/OO
34.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0100 LAT 48 11.6 LONG 125 55.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0100 PACHENA POINT 48 11.6 N 125 55.0 W Length of record .EQ. 124 Days
Start of record 0 mn 13 hr 7 dy 2 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		008	019	023	022	007	004	001	001																	85
10- 19		004	014	016	007	003		001																		45
20- 29		005	011	018	009	002																				45
30- 39		004	017	011	007	001																				40
40- 49		010	020	023	006																					59
50- 59		007	016	011	004	001																				39
60- 69		005	022	027	008	002																				64
70- 79		007	023	026	012	001																				69
80- 89		004	021	032	022	007																				86
90- 99		009	030	044	034	012	001																			130
100-109		009	030	050	034	008	001																			132
110-119		006	030	046	040	024	005																			151
120-129		005	035	071	045	030	005																			191
130-139		007	041	080	050	017	011	002																		208
140-149		005	026	062	053	018	007																			171
150-159		002	037	054	031	012	001	001																		138
160-169			035	042	030	003	001																			111
170-179	001	002	023	036	017	003																				82
180-189		002	012	025	012	004																				55
190-199		004	014	015	007	001																				41
200-209		005	004	005	004																					18
210-219		004	007	010	002	001																				24
220-229			004	007	003	001																				15
230-239		001	003	012	001	002																				19
240-249	001	001	004	007	002																					15
250-259		001	005	007	003																					16
260-269		003	011	006	004																					24
270-279			007	009	009	003	001	002																		31
280-289		004	007	013	007	007	002	001																		41
290-299		002	012	014	013	009	004	003	002																	59
300-309		004	015	023	016	013	008	002	004	001																88
310-319		008	014	015	013	024	013	012	007	004	001	001														112
320-329		005	013	029	024	036	021	020	011	007	005		001													172
330-339		003	025	033	041	024	012	007	007	001		002	001													156
340-349		003	027	035	042	020	011	008	007	001	001	001														156
350-359		002	016	030	031	007	007	002	003	001																99
	153		968		304		63		15		4		0		0		0		0		0		0		0	2994
	2	650		668		115		43		7		2		0		0		0		0		0		0		

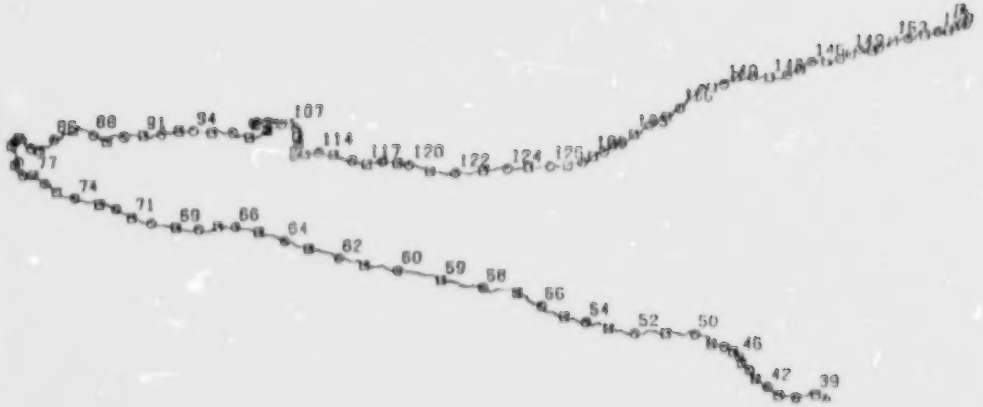
Number of zero rates: 0

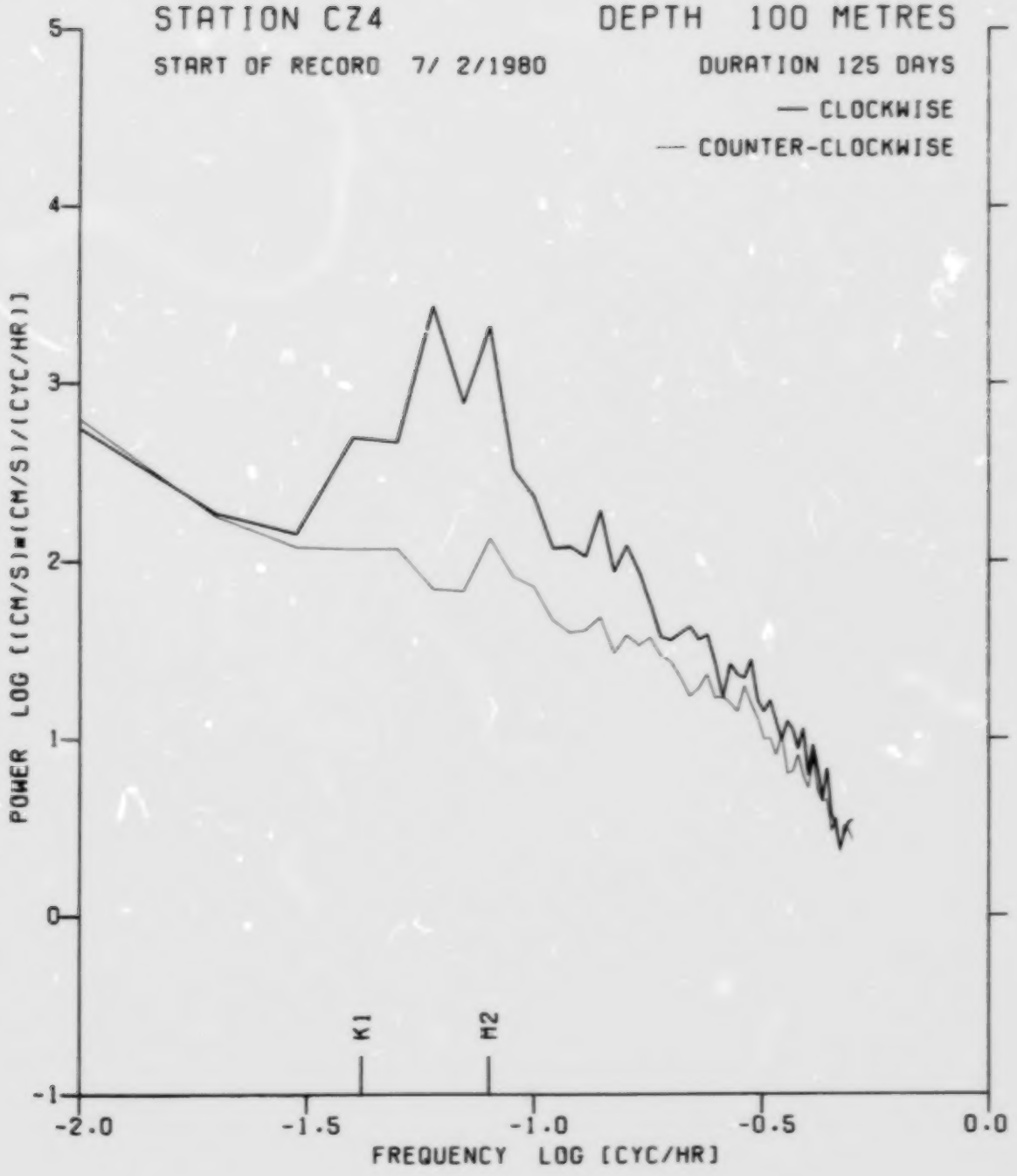
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

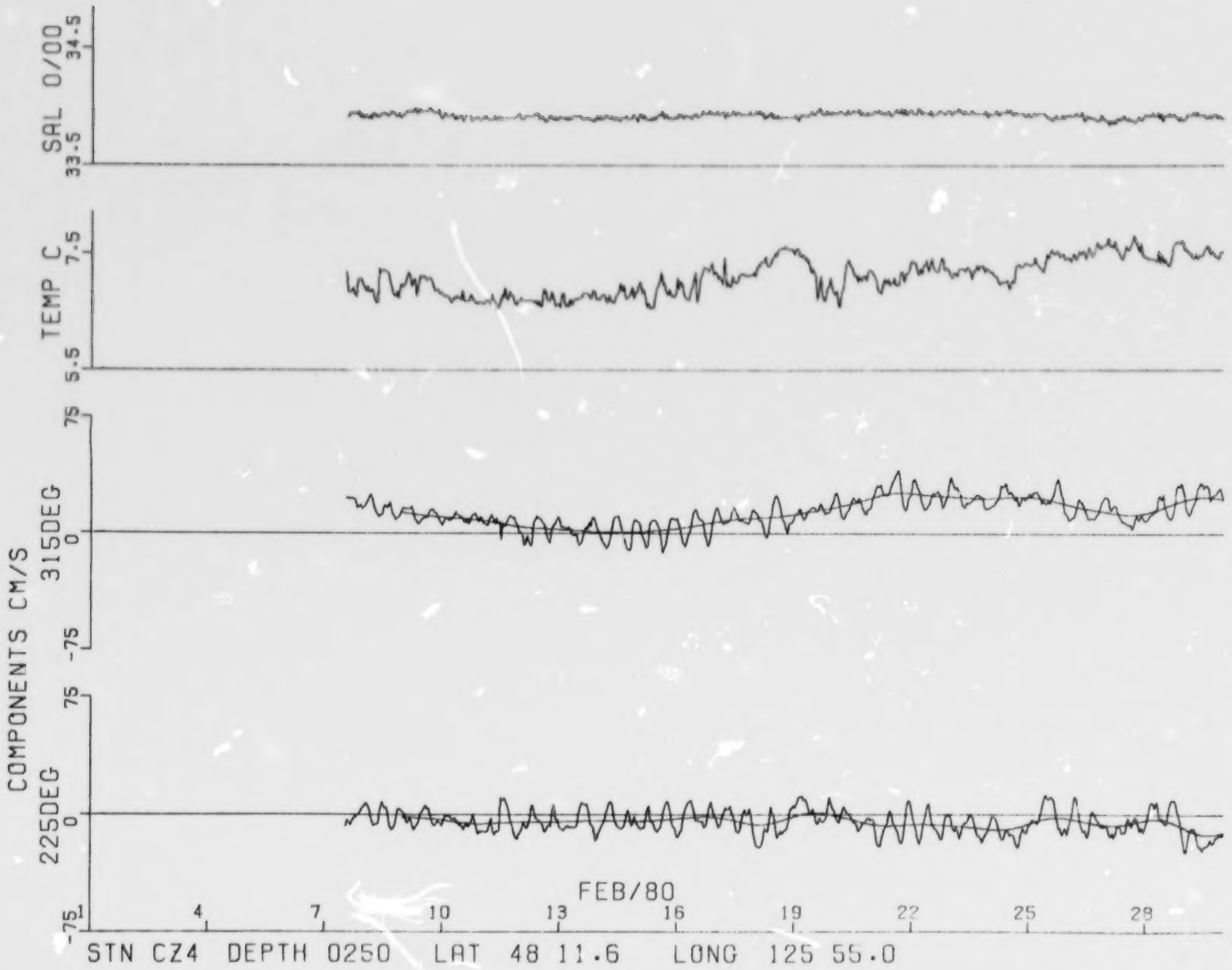
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

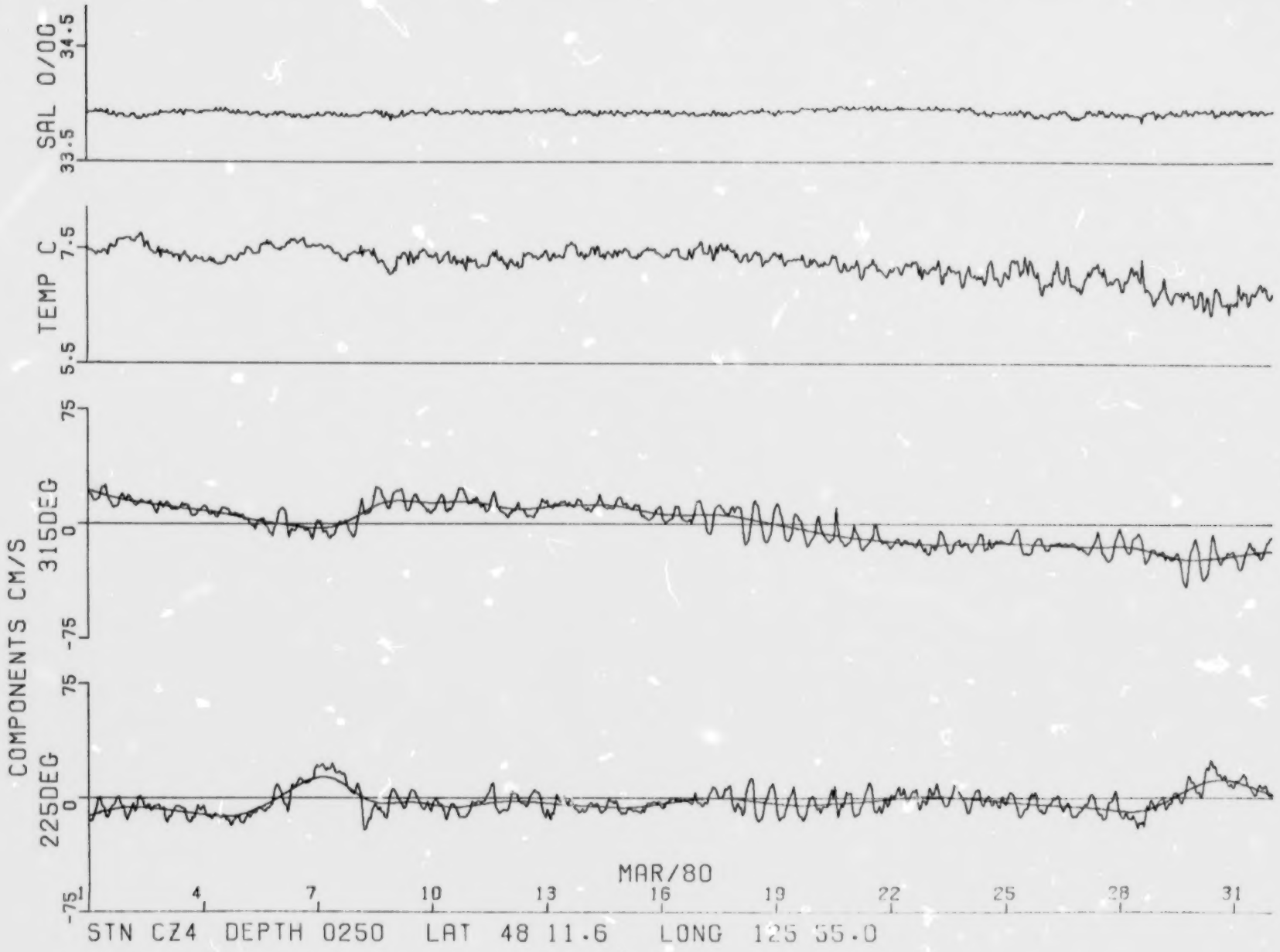
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0100M	8500	38 /80	125

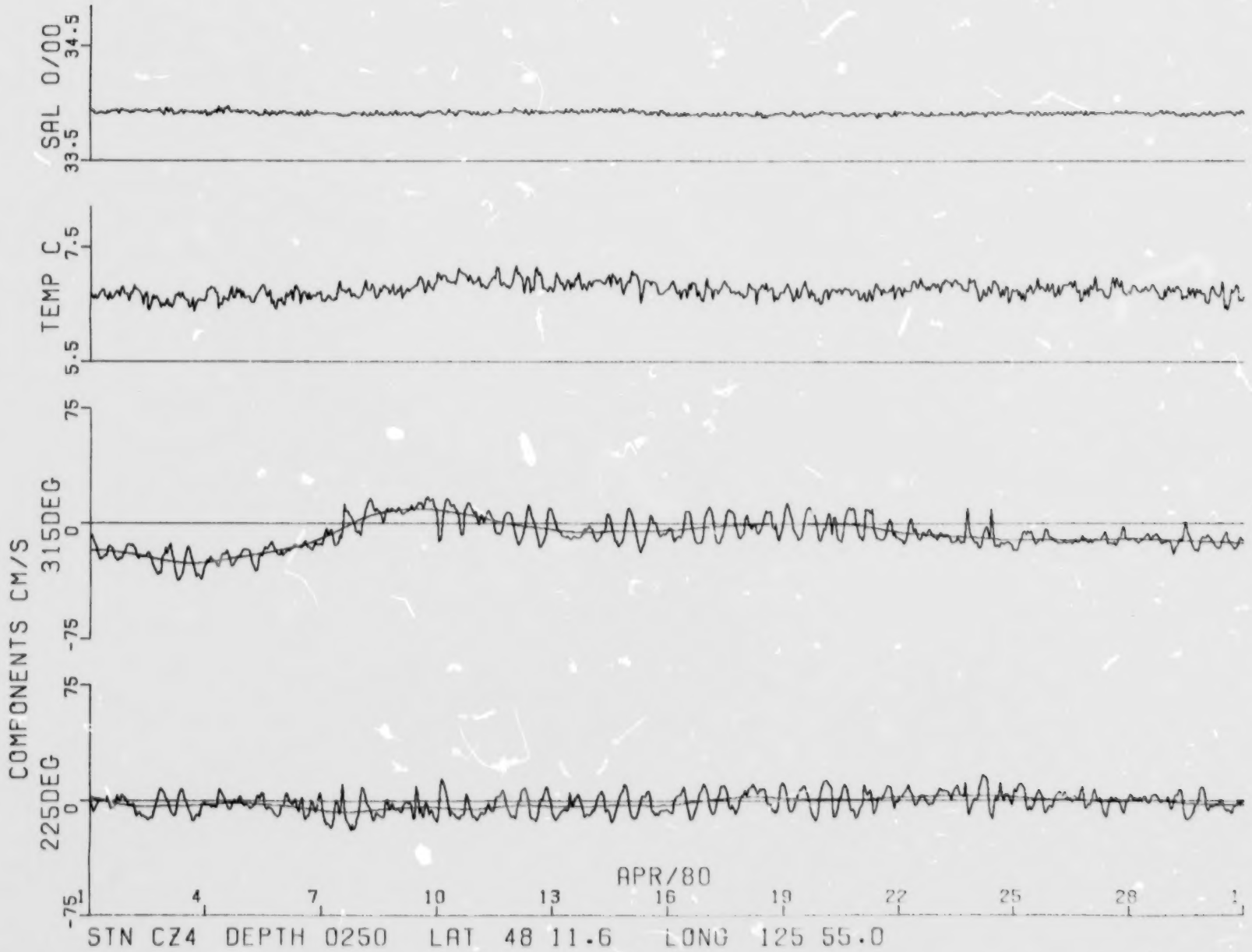
SCALE
100 KM

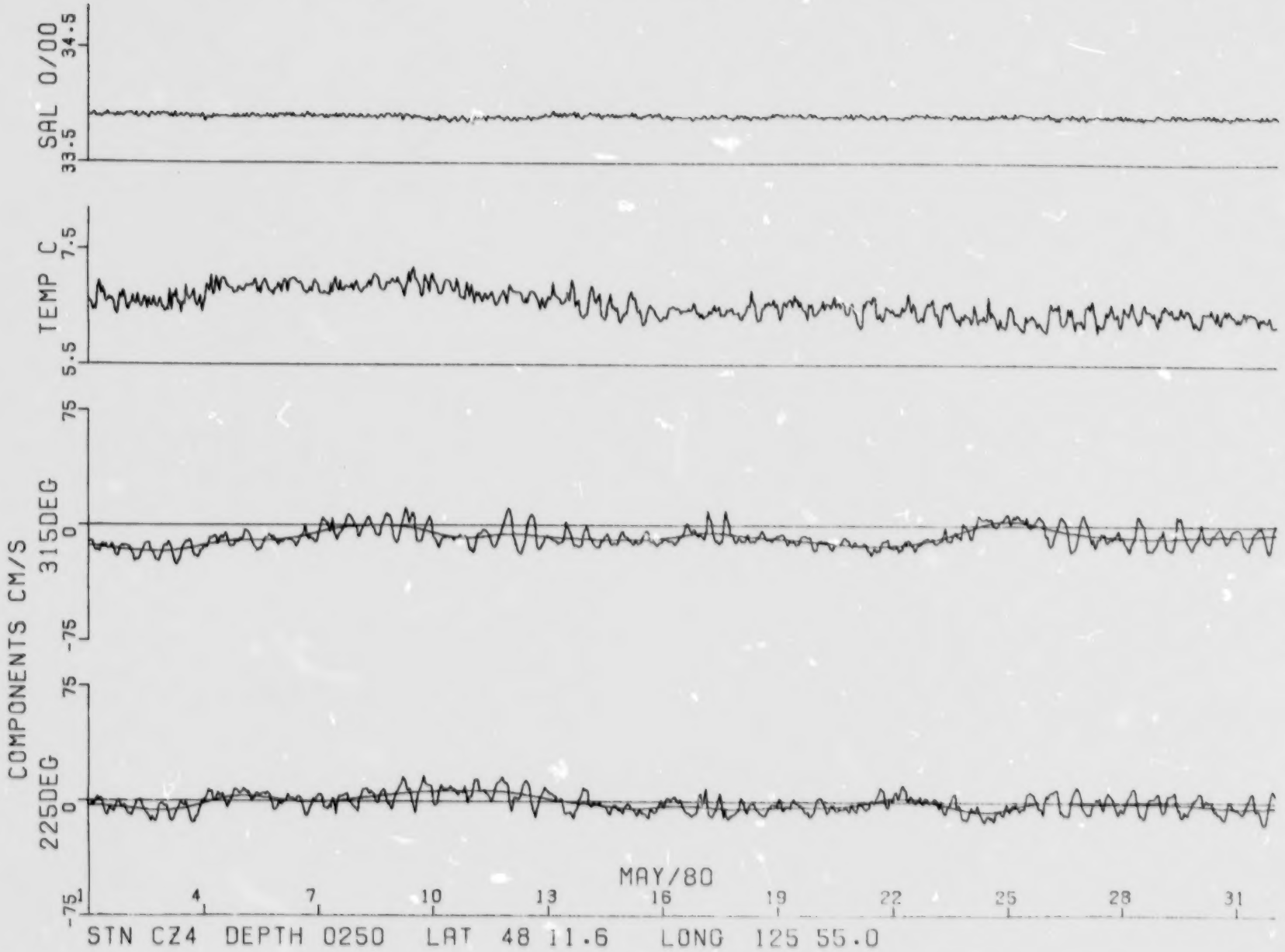


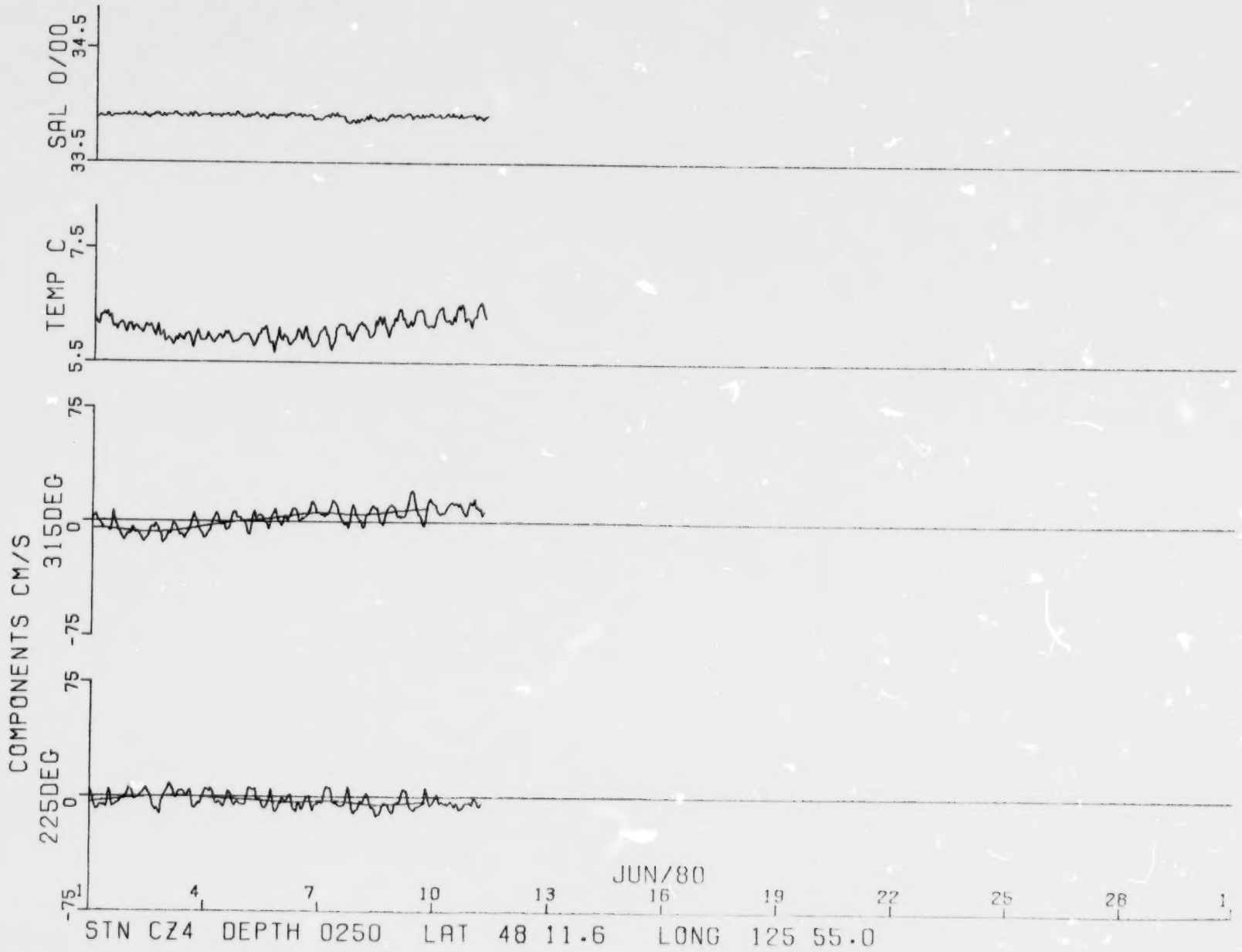

STATION CZ4
DEPTH 100 METRES
START OF RECORD 7/ 2/1980
DURATION 125 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.5
33.5
TEMP C
7.5
5.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
4
7
10
13
16
19
22
25
28
STN CZ4 DEPTH 0250 LAT 48 11.6 LONG 125 55.0


SAL O/OO
34.5
33.5
TEMP C
7.5
5.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0250 LAT 48 11.6 LONG 125 55.0


SAL O/OO
34.5
33.5
TEMP C
7.5
5.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0250 LAT 48 11.6 LONG 125 55.0


SAL O/OO
34.5
33.5
TEMP C
7.5
5.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0250 LAT 48 11.6 LONG 125 55.0


SAL 0/00
34.5
33.5
TEMP C
7.5
5.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0250 LAT 48 11.6 LONG 125 55.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0250 PACHENA POINT 48 11.6 N 125 55.0 W Length of record .EQ. 124 Days
Start of record 0 mn 13 hr 7 dy 2 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	008	024	041	018	003	001																				95
10- 19	001	019	036	011	003	001																				71
20- 29	004	027	027	014	003																					75
30- 39	006	015	017	003																						41
40- 49	003	025	018	001																						47
50- 59		033	014	003																						50
60- 69	001	030	015	004	001																					51
70- 79	002	033	023	005																						63
80- 89	002	024	025	008		001																				60
90- 99	003	027	035	015	008																					88
100-109	001	030	057	025	011	003																				127
110-119	001	033	065	029	020	004	002	001																		155
120-129	003	029	078	045	022	008	001	003																		189
130-139	001	034	100	038	020	005	005	003																		206
140-149	001	034	099	047	009	001	005	001	001																	198
150-159	001	037	068	018	010	002	002	002																		140
160-169	002	027	041	013	005	005	002	003																		98
170-179		027	029	007	003																					66
180-189	002	023	024	004			001																			54
190-199	001	015	008	001	002																					27
200-209	002	016	010	006	006																					40
210-219		013	012	004	001																					30
220-229		016	005	002	003																					26
230-239	002	010	004	003	002																					21
240-249		011	007																							18
250-259	003	011	008	001																						23
260-269	001	009	006	002																						18
270-279	001	015	009	003																						28
280-289	002	013	016	006	007																					44
290-299	001	018	025	008	004	003																				59
300-309		019	017	009	007	003																				55
310-319	003	016	023	027	009	004	004	001																		87
320-329	002	027	052	025	026	006	002	004	001																	145
330-339	008	023	051	038	020	018	010		001																	169
340-349	005	029	064	038	014	020	009	009																		198
350-359	004	032	048	024	013	008	005	002																		136
		824		508		93		29		0		0		0		0		0		0		0		0		2054
	77		1182		232		48		3		0		0		0		0		0		0		0		0	

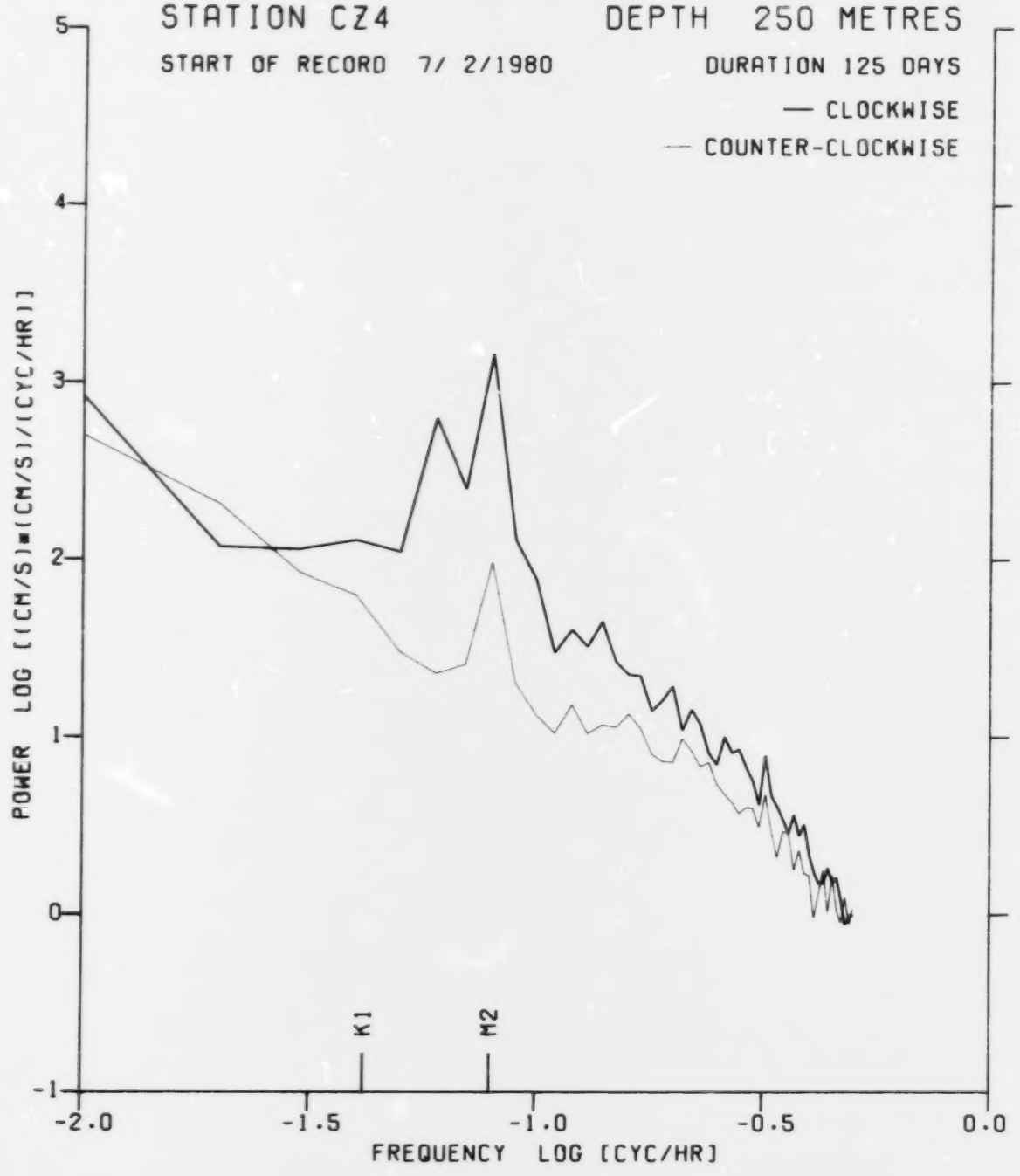
Number of zero rates: 0

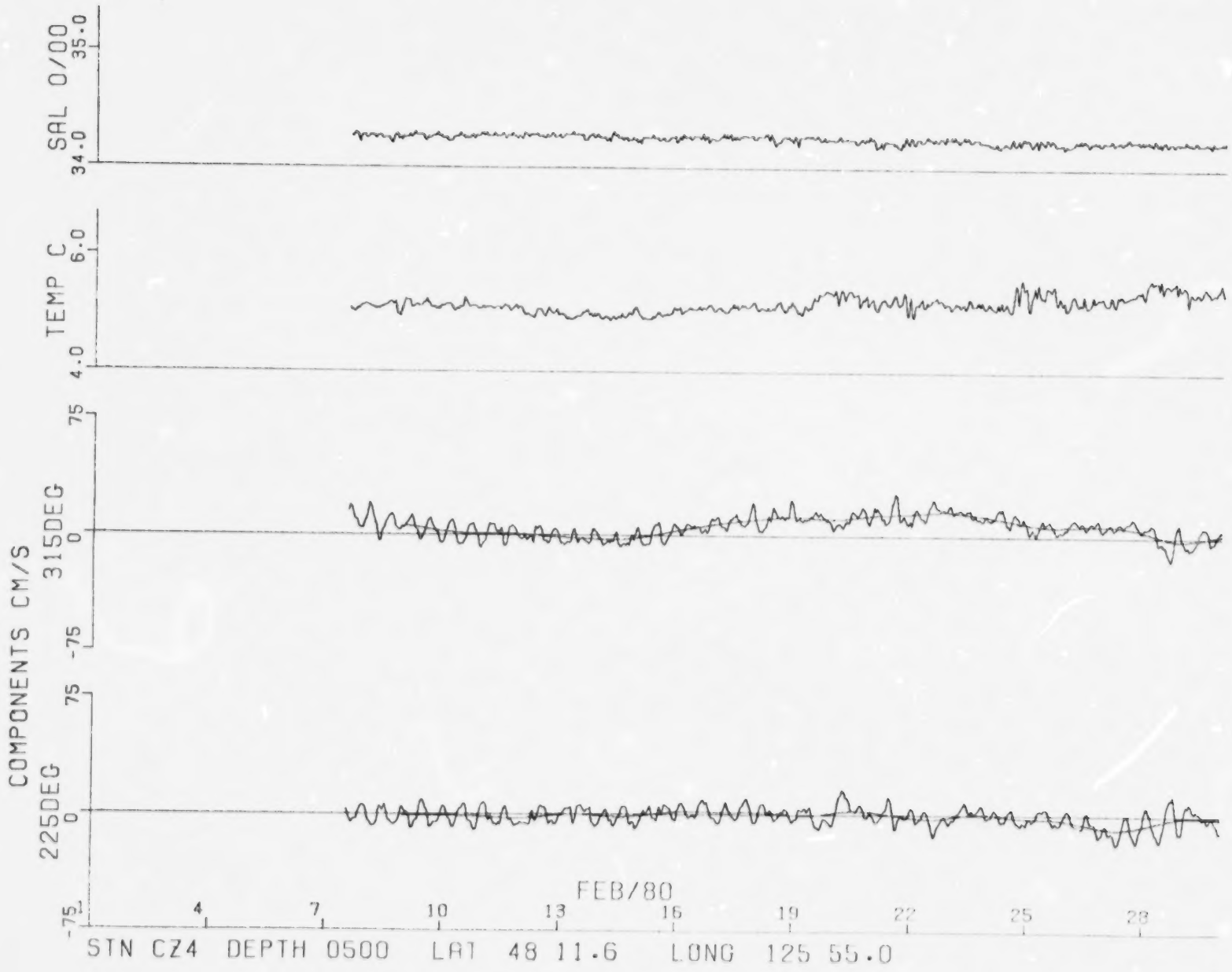
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

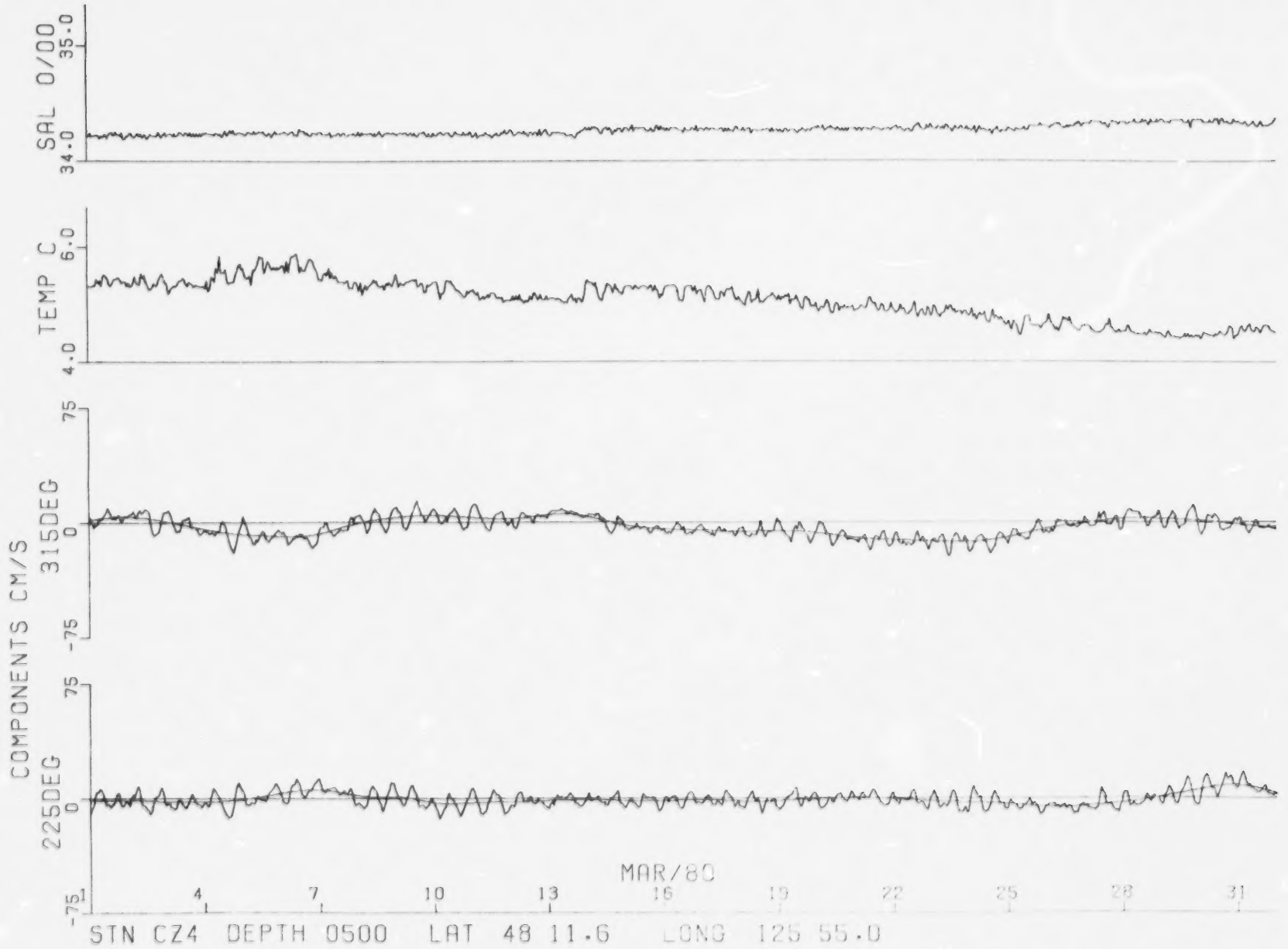
●ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

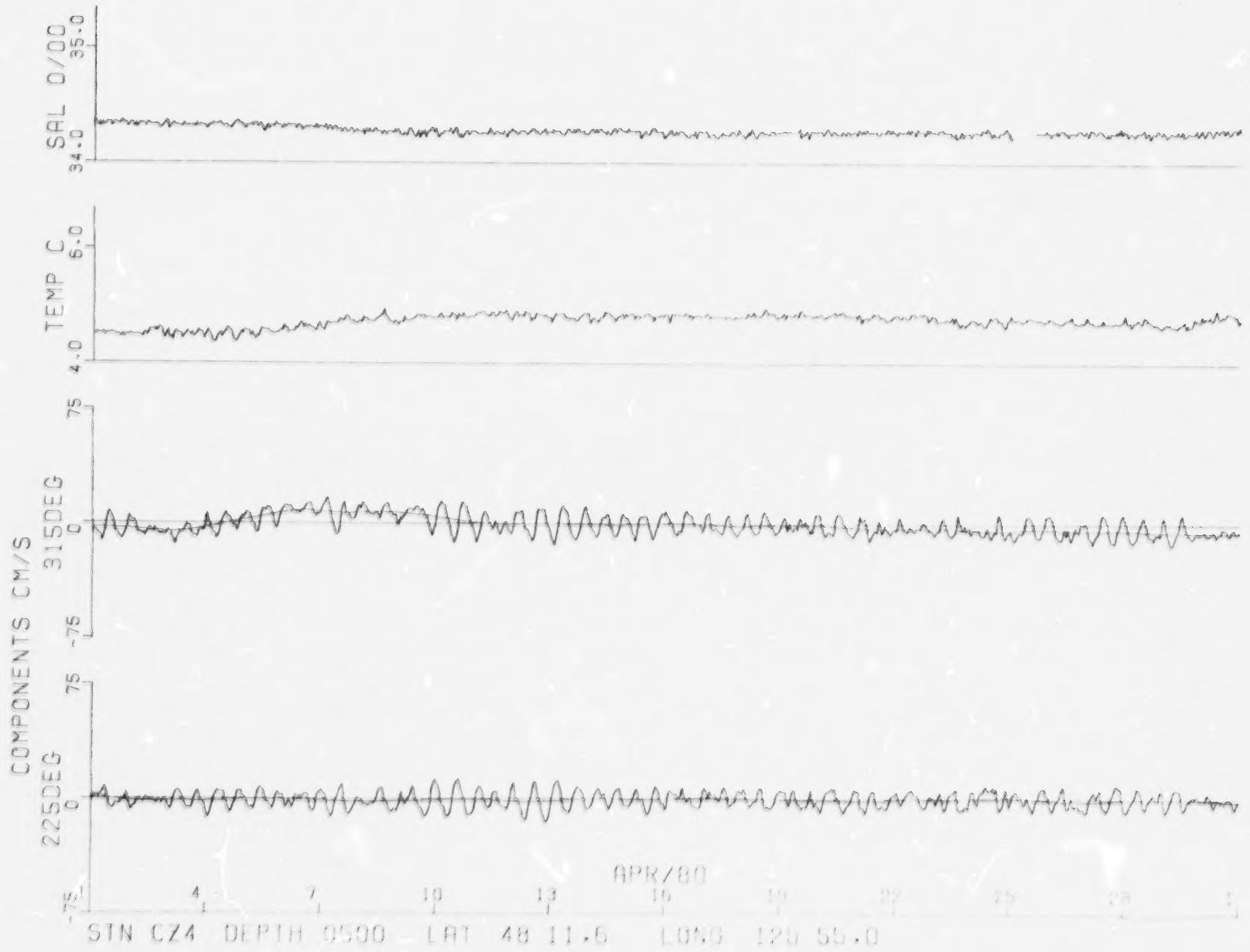
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0250M	8500	38 /80	125

SCALE 100 KM


STATION CZ4
DEPTH 250 METRES
START OF RECORD 7/ 2/1980
DURATION 125 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
4
7
10
13
16
19
22
25
28
STN CZ4 DEPTH 0500 LAT 48 11.6 LONG 125 55.0


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0500 LAT 48 11.6 LONG 125 55.0


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
4
7
10
13
19
22
25
28
STN CZ4 DEPTH 0500 LAT 48 11.6 LONG 125 55.0

STN CZ4 DEPTH 0500 LAT 48 11.6 LONG 125 55.0
MAY/80
1
4
7
10
13
15
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
4.0
6.0
34.0
35.0

STN CZ4 DEPTH 0500 LAT 48 11.6 LONG 125 55.0
JUN/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
34.0
35.0
6.0
4.0
75
0
-75

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0500 PACHENA POINT 48 11.6 N 125 55.0 W Length of record .EQ. 124 Days
Start of record 0 mn 13 hr 7 dy 2 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	019	051	014	001																						85
10- 19	024	049	013	004																						90
20- 29	023	052	016	002	001																					94
30- 39	016	044	009	002																						71
40- 49	012	044	007																							63
50- 59	014	047	007	002																						70
60- 69	022	052	007																							81
70- 79	013	038	005																							56
80- 89	022	041	007	001																						71
90- 99	016	058	007	003																						84
100-109	016	045	017	006																						84
110-119	015	065	020	004																						104
120-129	010	061	022	006	002																					101
130-139	018	066	029	003	001																					117
140-149	015	087	027	005	002																					136
150-159	016	059	028	005																						108
160-169	011	061	012	006																						88
170-179	016	058	011	002																						87
180-189	009	057	012	002																						80
190-199	010	032	006																							48
200-209	009	034	005	001																						49
210-219	007	025	003																							35
220-229	006	014	004	002																						26
230-239	008	019	004																							31
240-249	008	020	012																							40
250-259	011	034	007	002																						54
260-269	013	029	012	002																						56
270-279	004	033	011	004																						52
280-289	008	033	022	006																						69
290-299	010	053	030	016	003																					112
300-309	009	065	040	019	008	001																				142
310-319	020	045	030	021	005	002																				123
320-329	011	056	039	029	009																					144
330-339	012	063	041	015	005	001																				137
340-349	014	056	026	007	003	001																				127
350-359	015	049	025	002	002																					93
	1699		100		5		0		0		0		0		0		0		0		0		0		0	2924
	483		506		41		0		0		0		0		0		0		0		0		0		0	

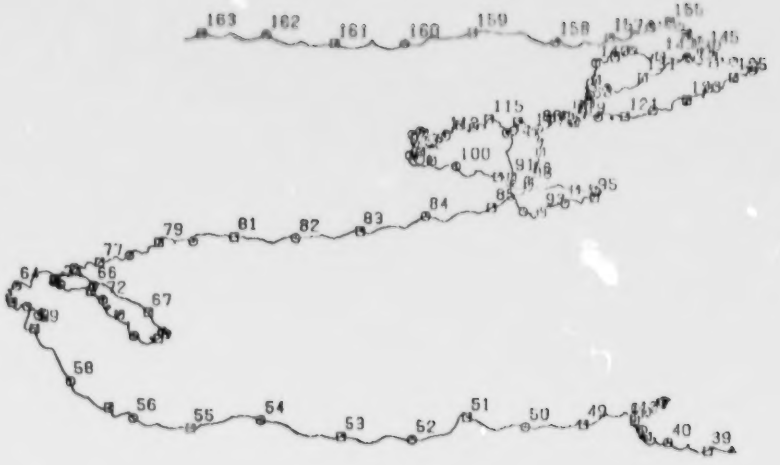
Number of zero rates: 0

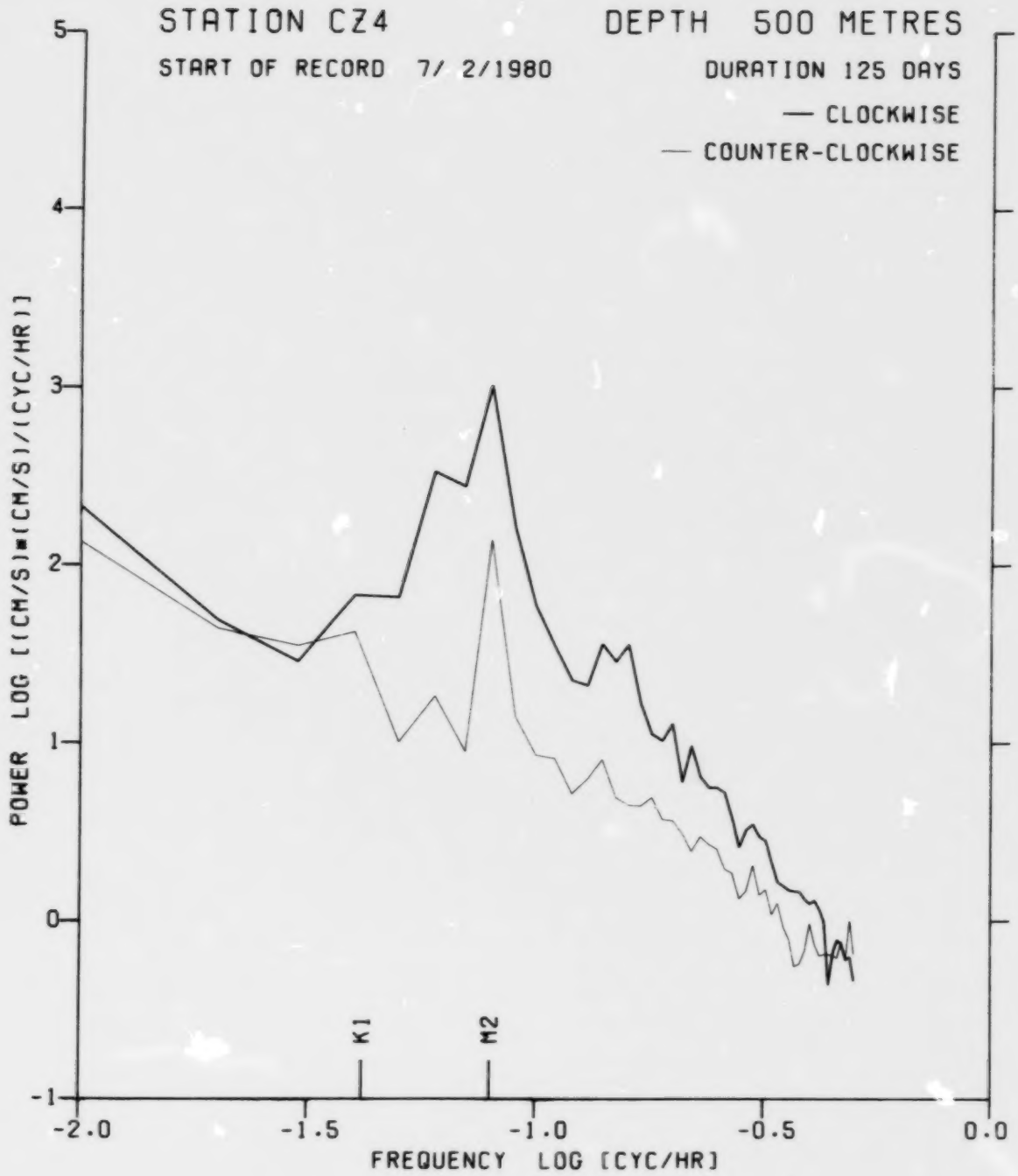
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

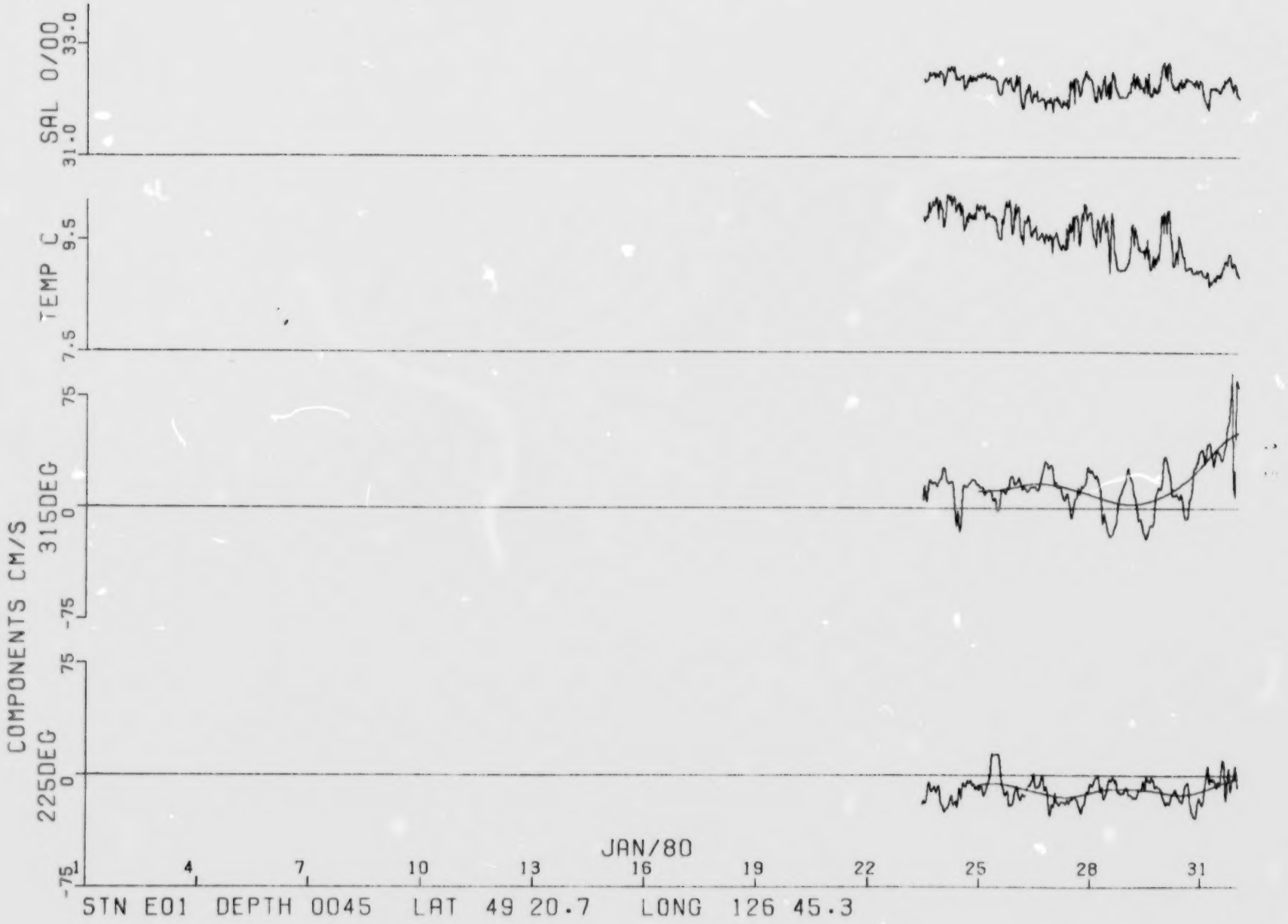
▯ODD NUMBERED DAYS
●EVEN NUMBERED DAYS

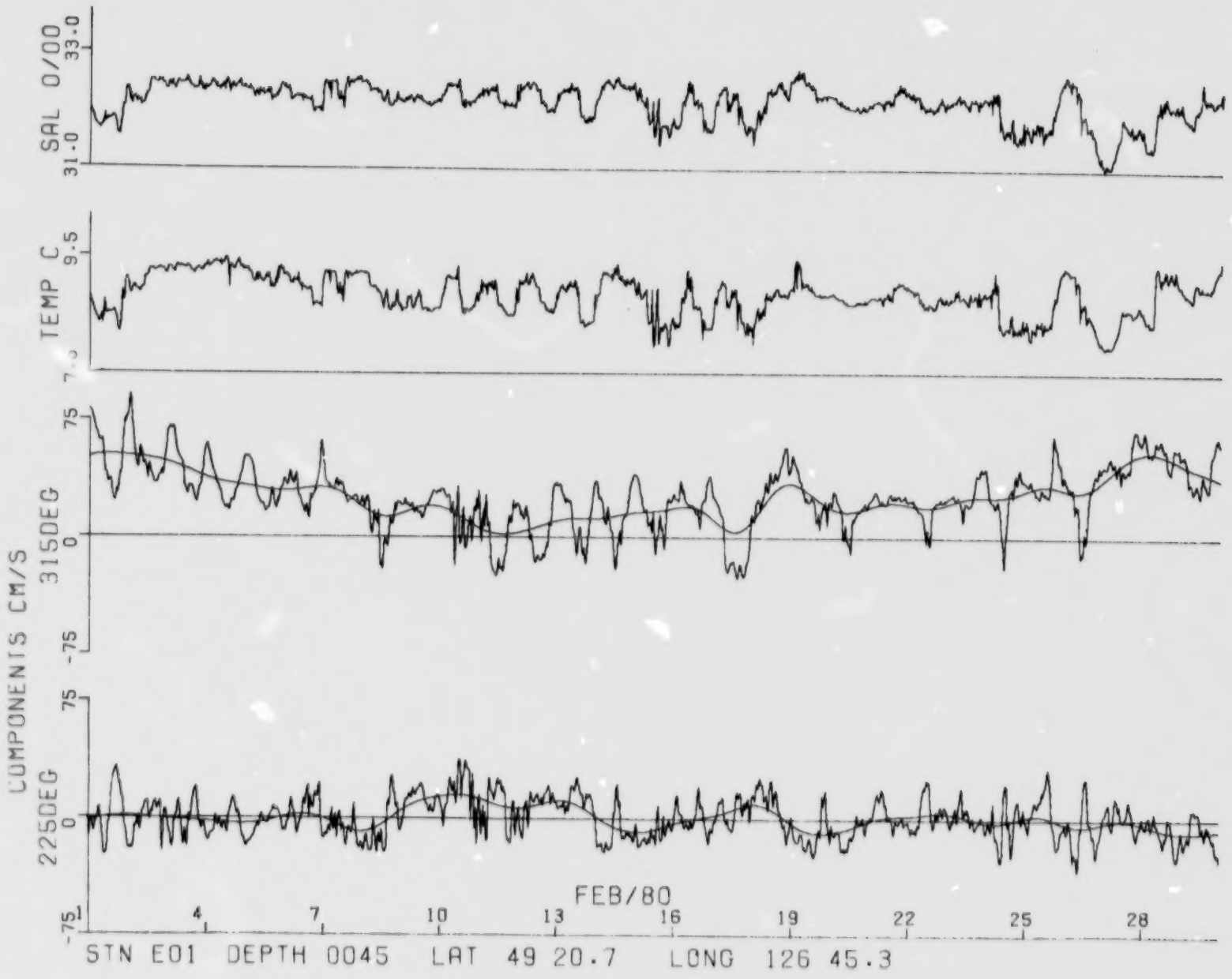
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0500M	8500	30 /80	125

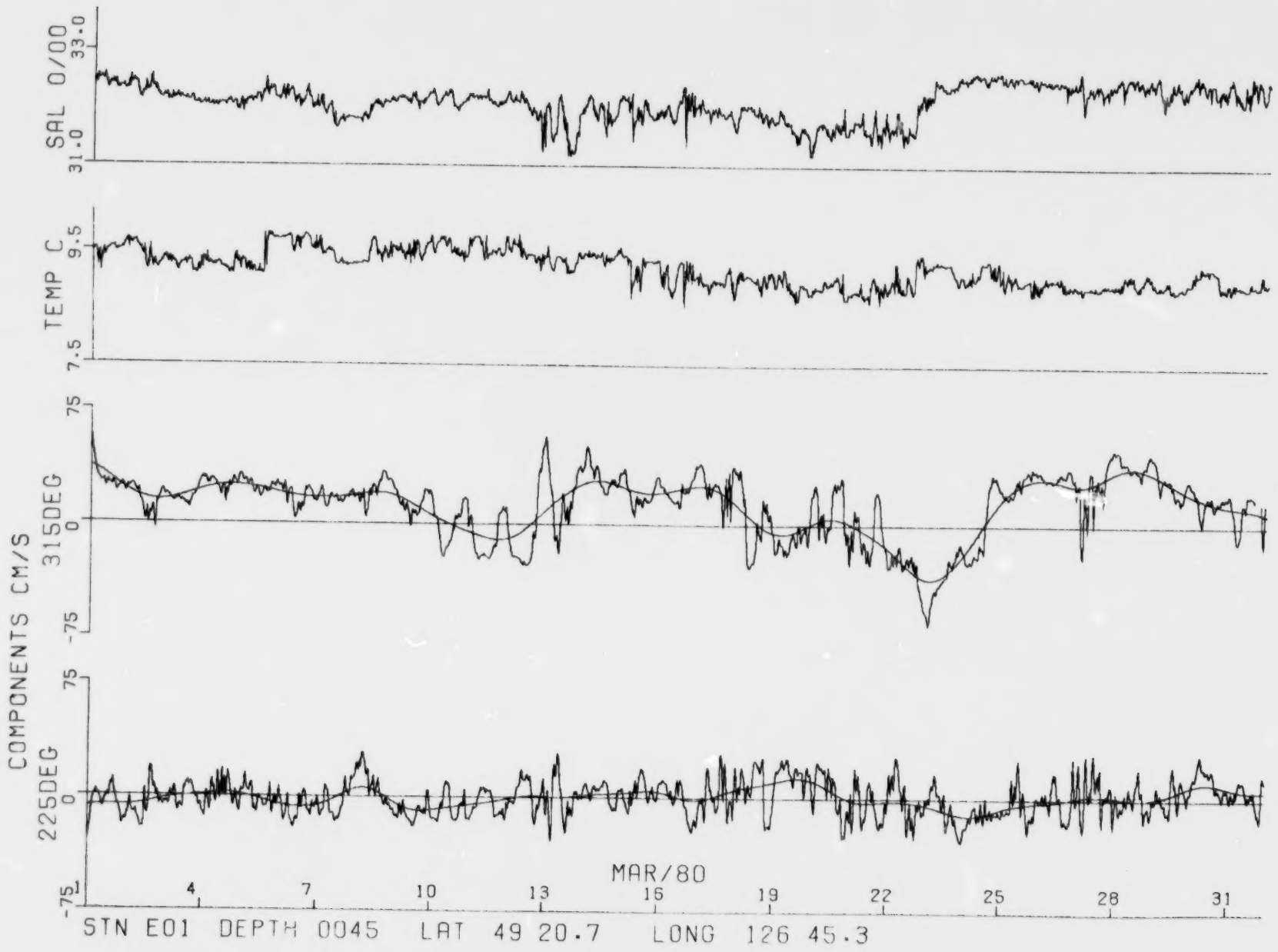
SCALE 50 KM

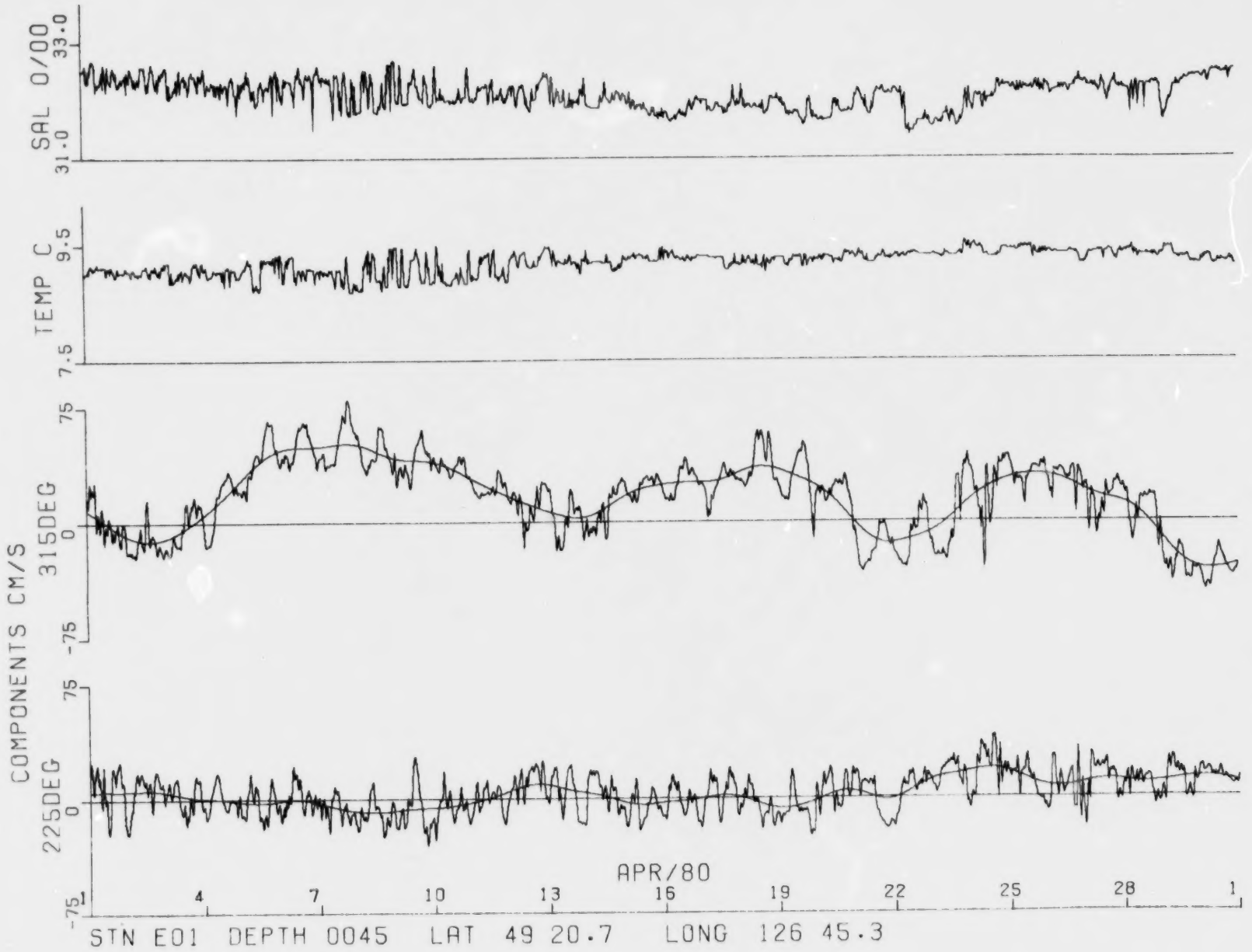


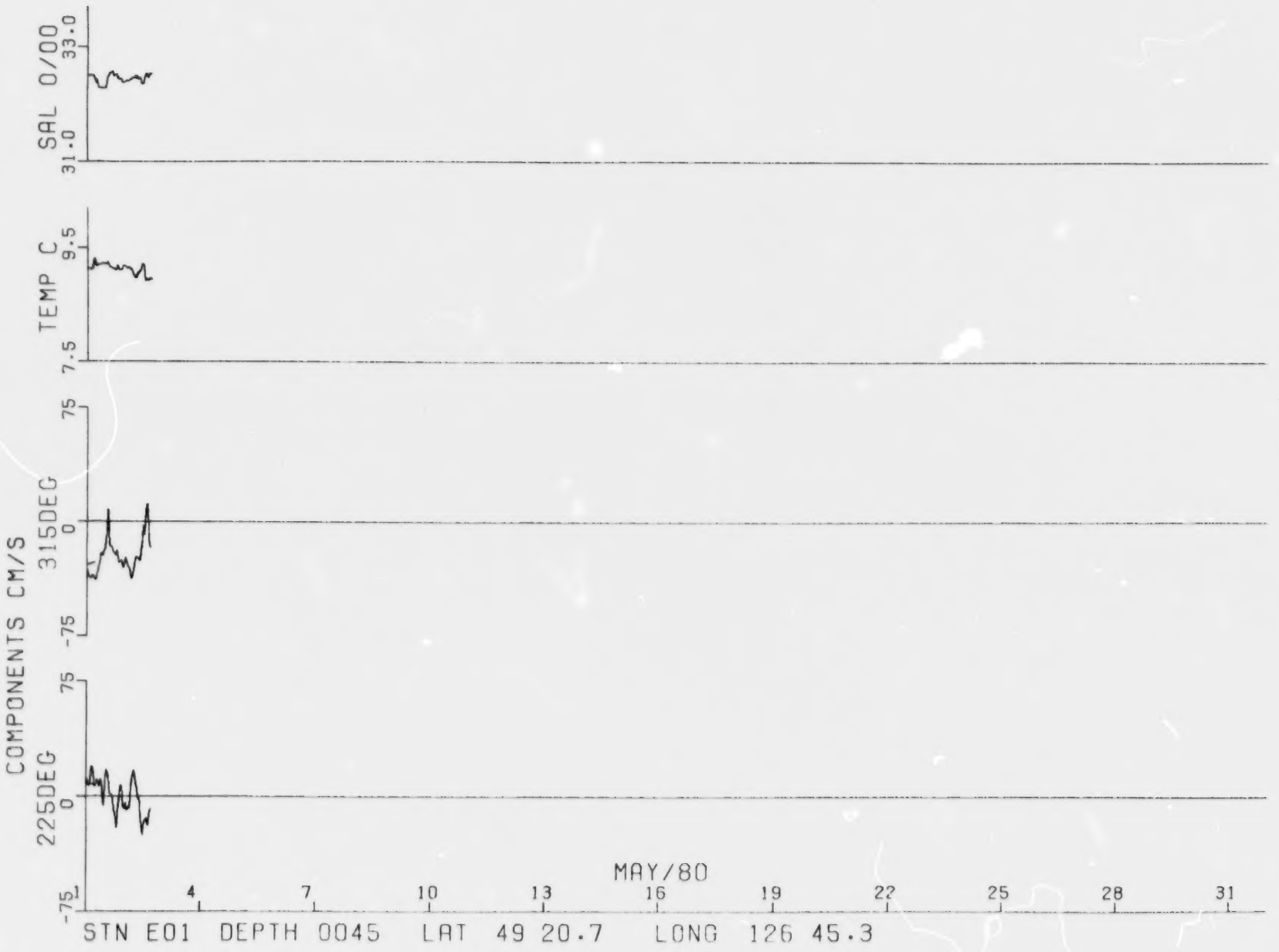

STATION CZ4
DEPTH 500 METRES
START OF RECORD 7/ 2/1980
DURATION 125 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.0
31.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0045 LAT 49 20.7 LONG 126 45.3


SAL 0/00
33.0
31.0
TEMP C
9.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN E01 DEPTH 0045 LAT 49 20.7 LONG 126 45.3


SAL 0/00
33.0
31.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0045 LAT 49 20.7 LONG 126 45.3


SAL O/OO
33.0
31.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0045 LAT 49 20.7 LONG 126 45.3


SAL O/OO
33.0
31.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0045 LAT 49 20.7 LONG 126 45.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E01 Depth 0045 ESTEVAN POINT 49 20.7 N 126 45.3 W Length of record=100 Days
Start of record 30 mn 11 hr 23 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		002	016	041	026	019	008	003																		115
10- 19	001	001	016	036	013	008	001																			76
20- 29		003	006	037	018		001																			65
30- 39		003	010	013	011	001																				38
40- 49		001	003	014	006	002																				26
50- 59		003	008	016	009	004	001																			41
60- 69			006	013	005	003																				27
70- 79	001	001	002	006	004	004	003																			21
80- 89	001	003	010	012	012	002	003	001																		44
90- 99		003	007	011	013	005	011																			50
100-109			001	012	015	008	001		001																	38
110-119		004	007	016	018	007	003		001																	56
120-129	001	002	010	020	021	011	005	002	001	001		004	001													79
130-139	001	003	002	014	017	007	003	008	001	002	005		002	001												66
140-149			007	012	026	014	004	018	004	001																86
150-159	001		001	014	020	027	029	009	011	005																117
160-169		001	006	022	012	022	008	010	002	001																84
170-179			005	021	011	022	007	005	001																	72
180-189		006	011	011	011	013	005	002																		59
190-199		002	008	019	016	006	004																			55
200-209	001	001	010	029	011	004	001																			57
210-219	001	001	007	016	014	006	001	002																		48
220-229	001	004	008	017	015	005	001	004	001																	56
230-239	002	001	007	005	018	010	004	003	001																	51
240-249	001		012	011	017	014	005																			60
250-259	001	003	002	014	022	011	005		001																	59
260-269		002	007	025	035	022	014	007	005																	117
270-279		001	003	025	049	036	012	003	002																	131
280-289	001	004	005	034	056	047	041	018	013	004																223
290-299		003	010	045	070	065	051	023	022	007	002	001	001													300
300-309	001	004	006	036	076	088	059	055	027	019	010	003	006	003	001											394
310-319			009	036	079	100	114	074	059	029	025	015	024	018	003	003	002	001								591
320-329		002	015	057	087	100	069	080	052	045	027	034	024	008	009	008	004	002	003							626
330-339		002	009	057	076	077	061	048	042	032	028	016	015	008	001											472
340-349	001	001	015	056	065	043	027	024	017	007		001	004													261
350-359		002	014	036	034	033	019	006	006																	150
	69		859		846		405		153		74		38		11		3		0		0		0			4811
	16		281		1008		581		270		97		77		14		6		3		0		0		0	

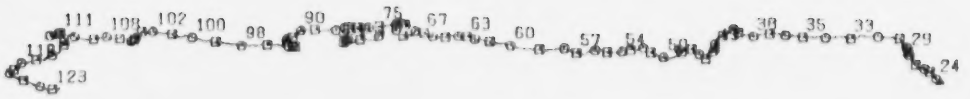
Number of zero rates: 0

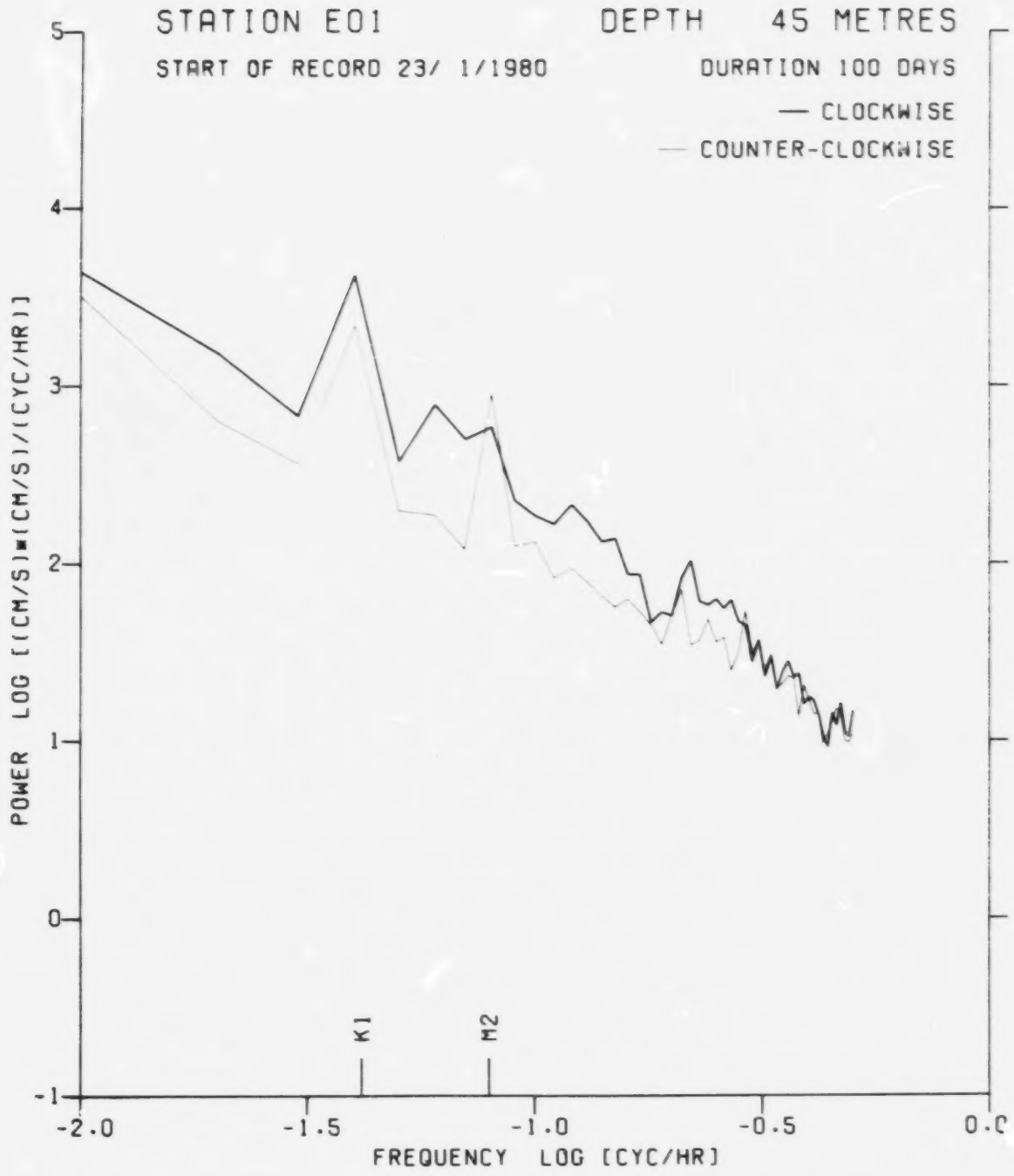
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

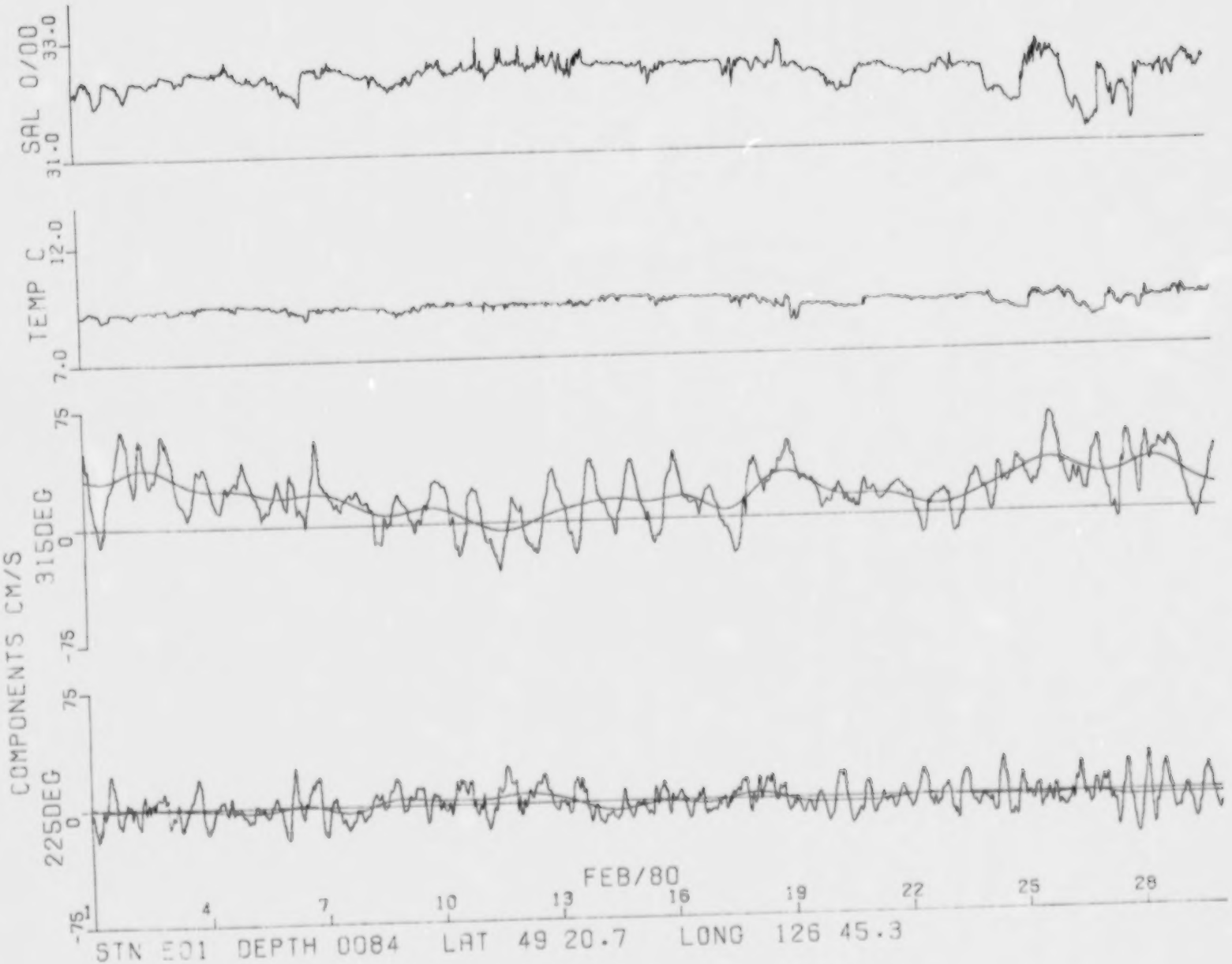
STN	DEPTH	AREA	DAY/YR	NO DAYS
E01	0045M	8600	23 /80	100

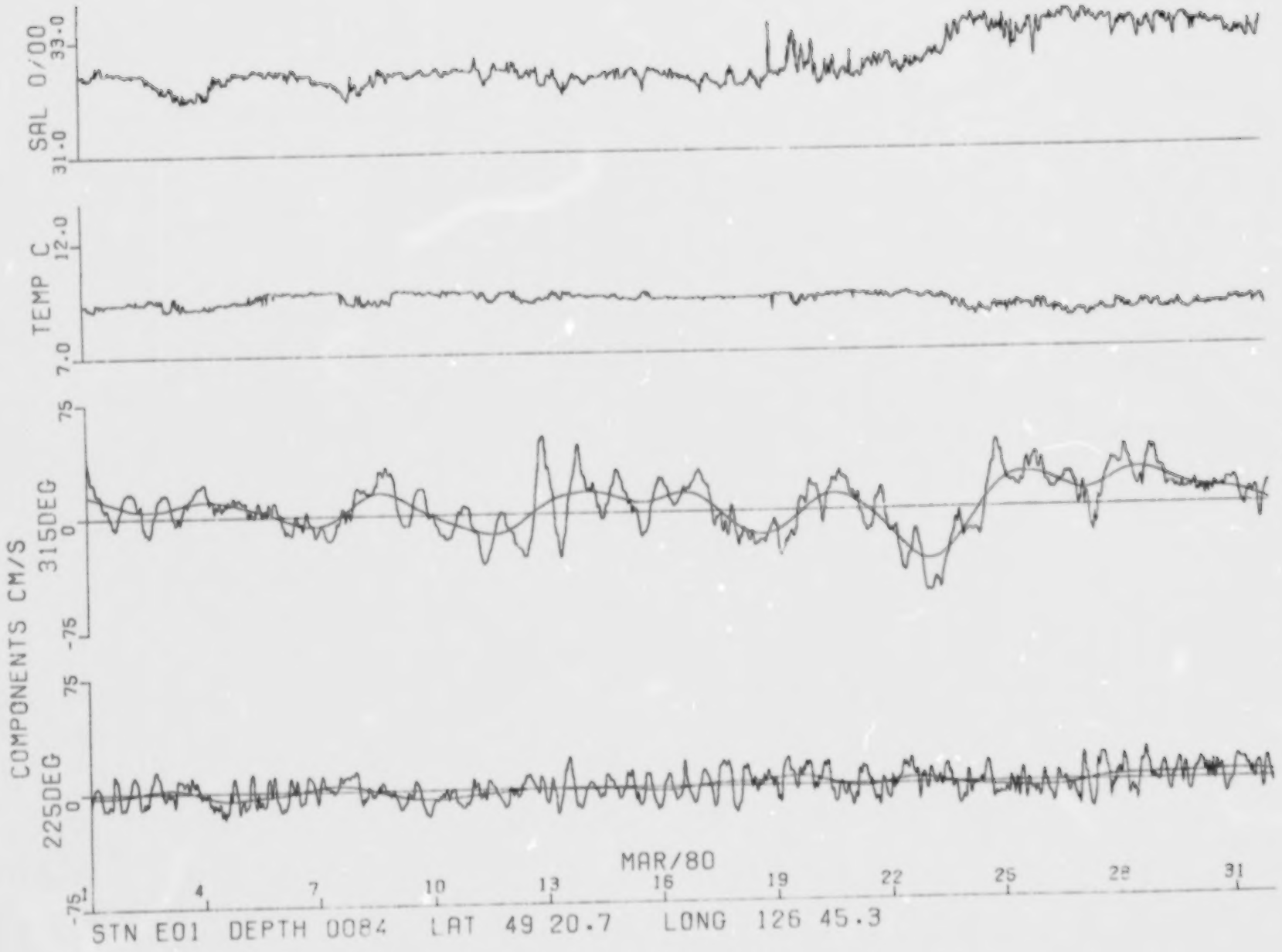
SCALE
100 KM




STATION E01
DEPTH 45 METRES
START OF RECORD 23/ 1/1980
DURATION 100 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E01 DEPTH 0084 LAT 49 20.7 LONG 126 45.3
JAN/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
7.0
12.0
31.0
33.0


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN E01 DEPTH 0084 LAT 49 20.7 LONG 126 45.3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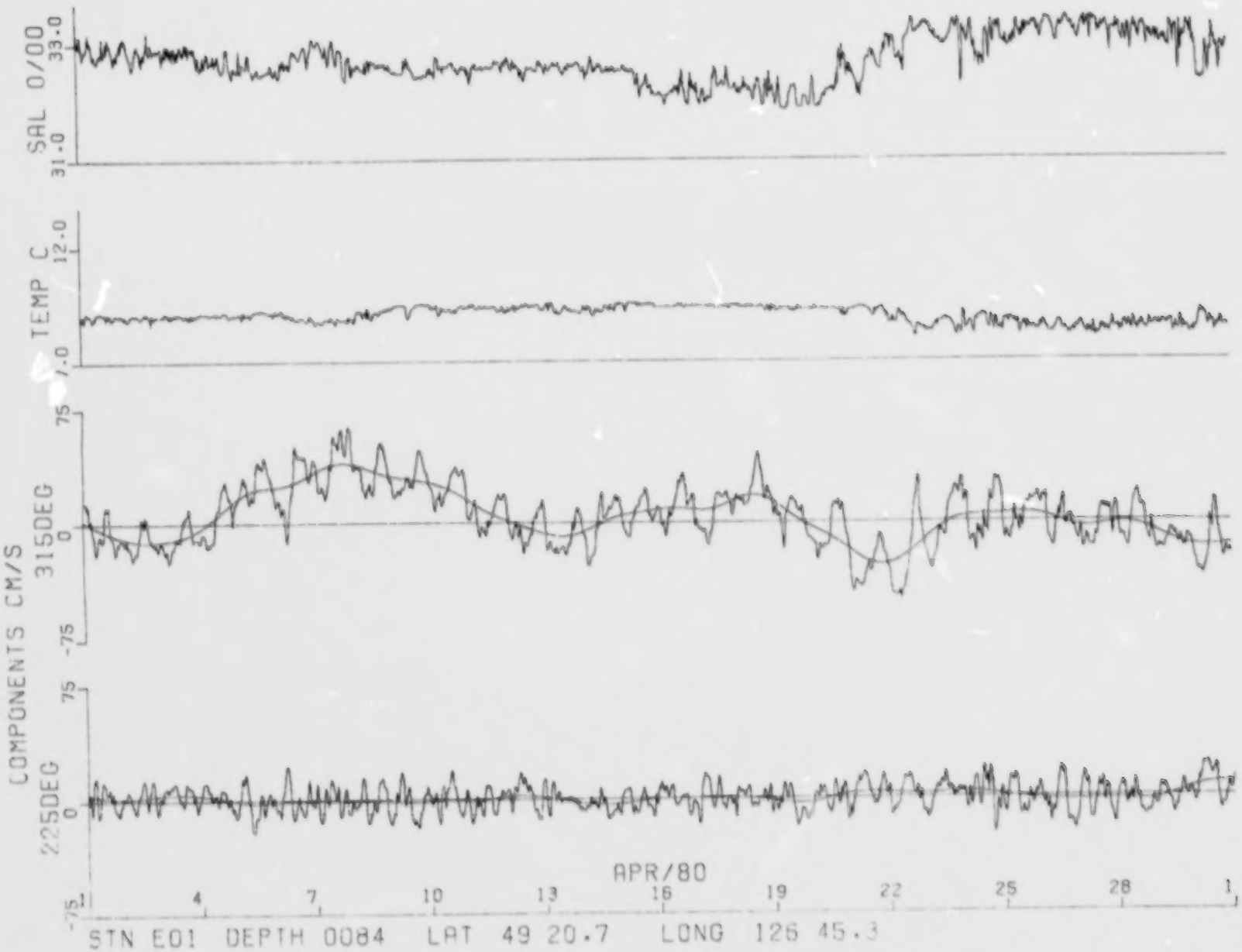
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0084 LAT 49 20.7 LONG 126 45.3


SAL 0/00
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0084 LAT 49 20.7 LONG 126 45.3

STN E01 DEPTH 0084 LAT 49 20.7 LONG 126 45.3
MAY/80
4
7
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
7.0
12.0
31.0
33.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E01 Depth 0084 ESTEVAN POINT 49 20.7 N 126 45.3 W Length of record=100 Days
Start of record 30 mn 11 hr 23 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	001	019	040	040	013	006																				119
10- 19	001	021	048	024	003	002																				99
20- 29	002	015	025	019																						61
30- 39	003	023	038	021	002																					87
40- 49	005	021	026	010	002																					64
50- 59	004	020	016	010																						50
60- 69	001	012	015	008																						36
70- 79		009	015	006	001																					31
80- 89	001	015	023	009	001																					49
90- 99	001	020	026	013	002																					62
100-109	001	017	029	024	005																					76
110-119	001	012	042	021	004		003																			83
120-129	003	008	051	034	012	008	003	001	001	004																125
130-139	001	011	059	064	027	012	006	002	002	009	006															199
140-149	002	009	048	047	040	016	016	003	003	010	008	001														203
150-159	001	014	039	043	034	019	008	007	019	003																187
160-169	001	010	037	031	023	005	014	010	002																	133
170-179	001	008	029	029	010	007	004	007																		95
180-189	003	020	027	025	006	002	001																			84
190-199	002	014	030	017	001																					64
200-209		016	021	007	002																					46
210-219		011	022	012	001																					46
220-229	003	014	022	015	001																					55
230-239	001	016	022	008	001																					48
240-249	001	016	018	013	003	002																				53
250-259	003	016	024	014	007	001																				65
260-269	003	016	034	016	003	001	002																			75
270-279	002	016	031	014	026	009	001		001	002																102
280-289	002	015	055	035	010	009	009	003																		138
290-299		012	064	052	022	023	013	008	005	007		001														207
300-309		011	058	068	046	041	033	027	021	007	003		001		001											317
310-319	001	018	055	094	078	070	049	050	026	020	014	007	009					001								492
320-329	001	017	063	114	095	072	049	043	031	020	019	008	007	001		002	001									543
330-339	002	013	055	007	054	033	021	033	012	007	005	001														323
340-349		016	054	064	047	026	012	005		001	003															228
350-359	001	023	066	046	018	006	004		002	001																167
	544		1154		370		199		91		18		1		2		1		0		0		0		0	4812
	55		1327		600		248		125		58		17		1		1		0		0		0		0	

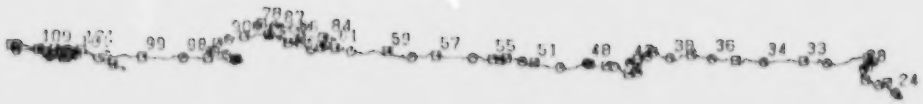
Number of zero rates: 0

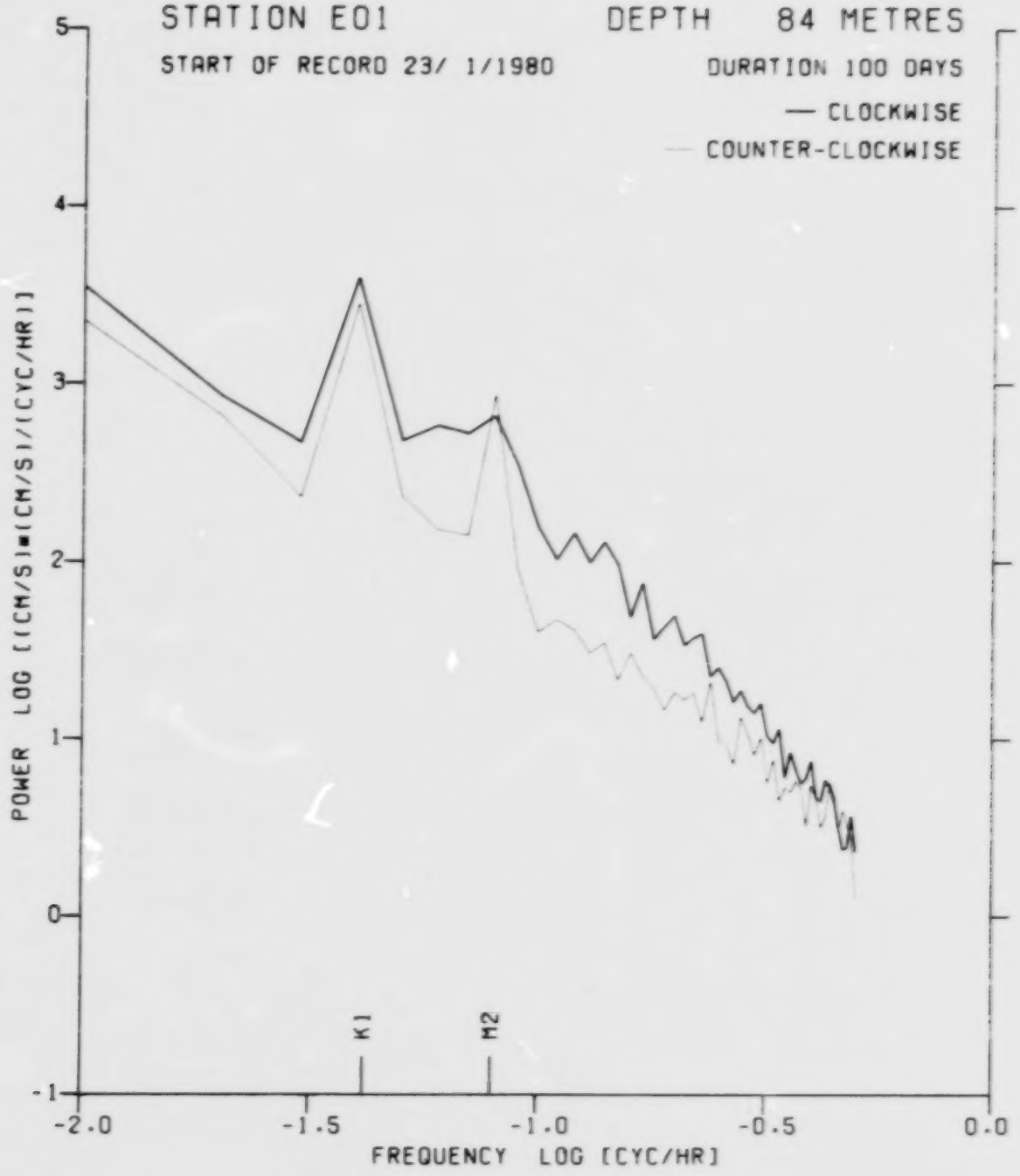
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

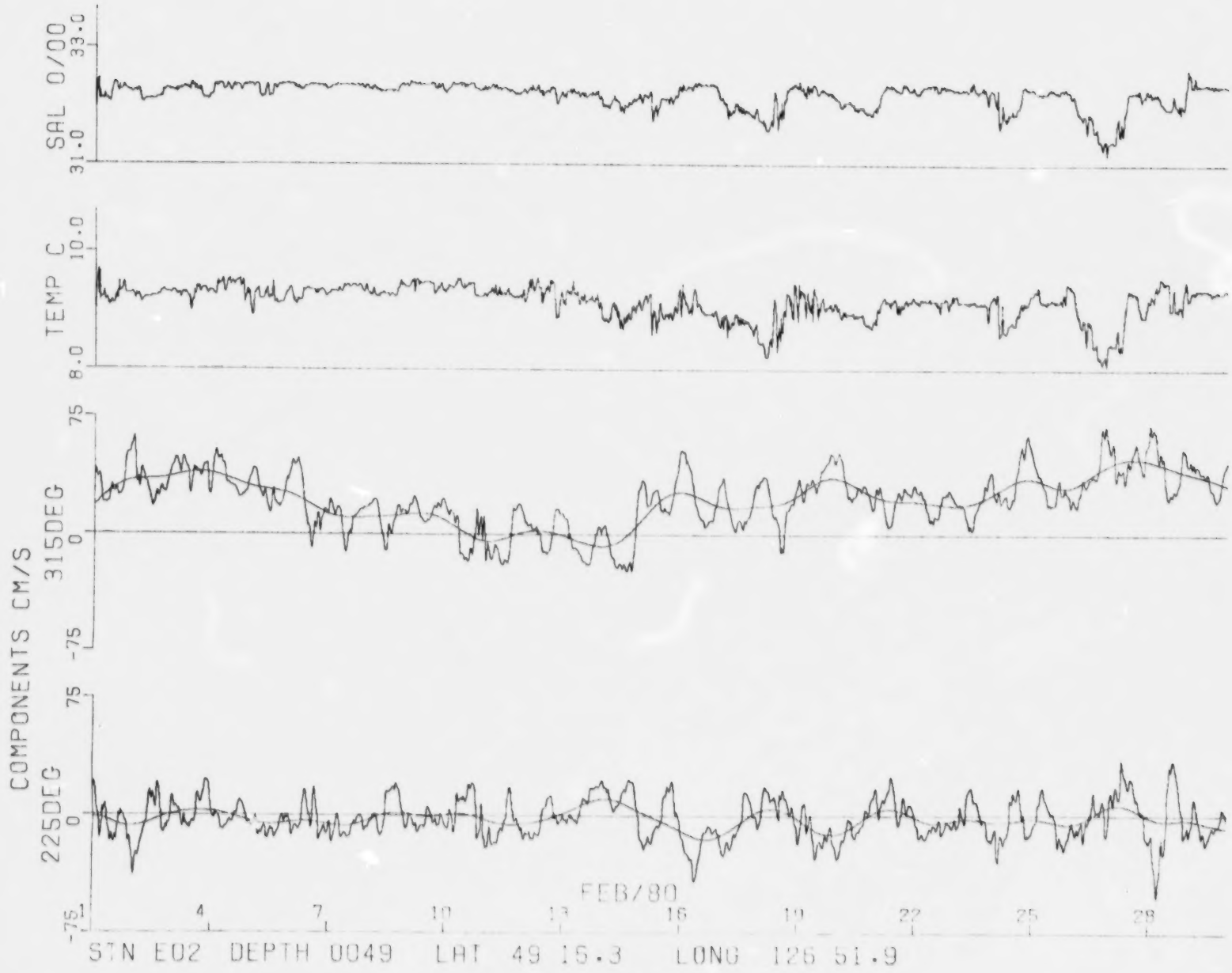
STN	DEPTH	AREA	DAY/YR	NO DAYS
E01	0084M	8600	23 /80	100

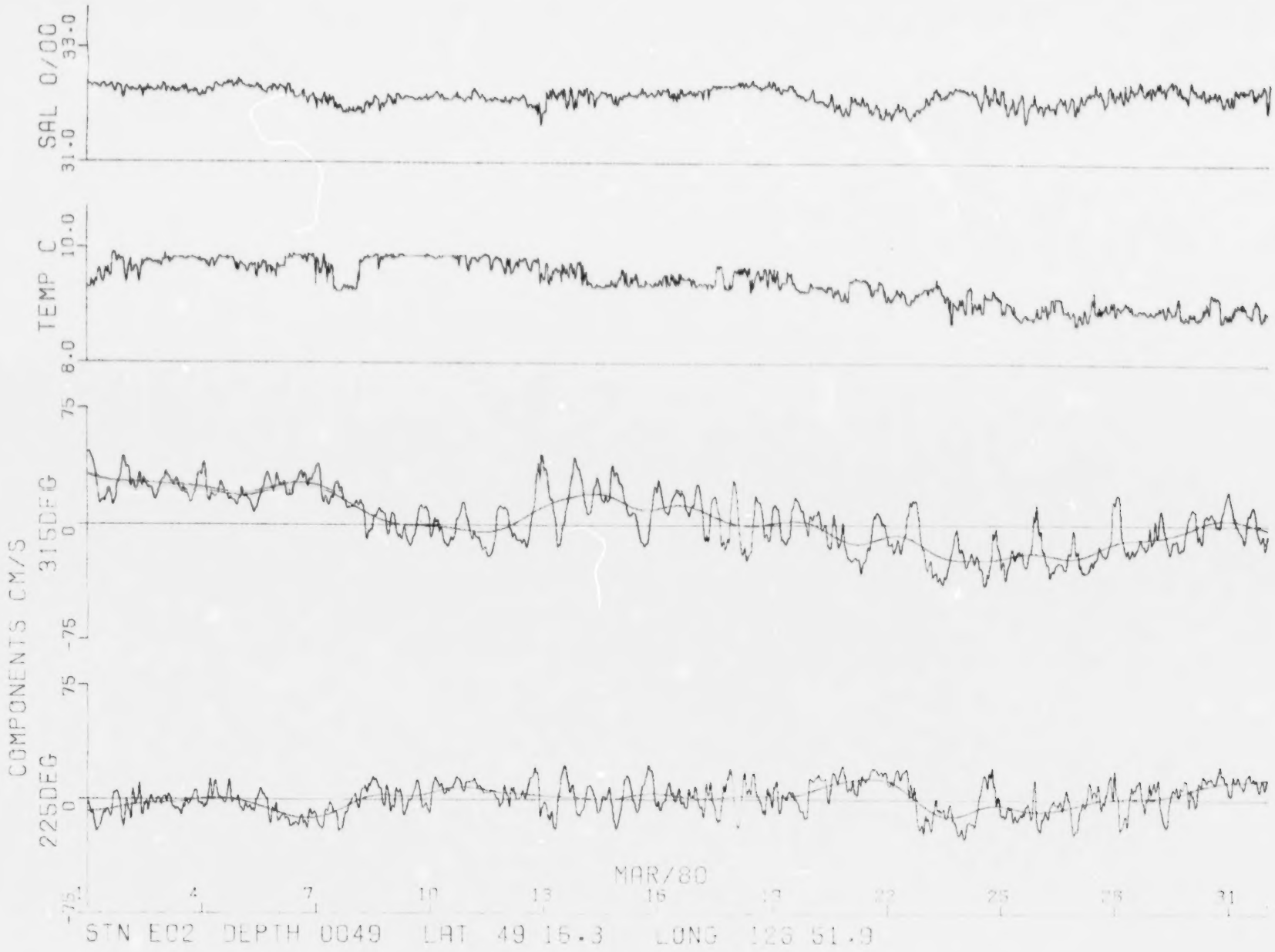
SCALE
100 KM

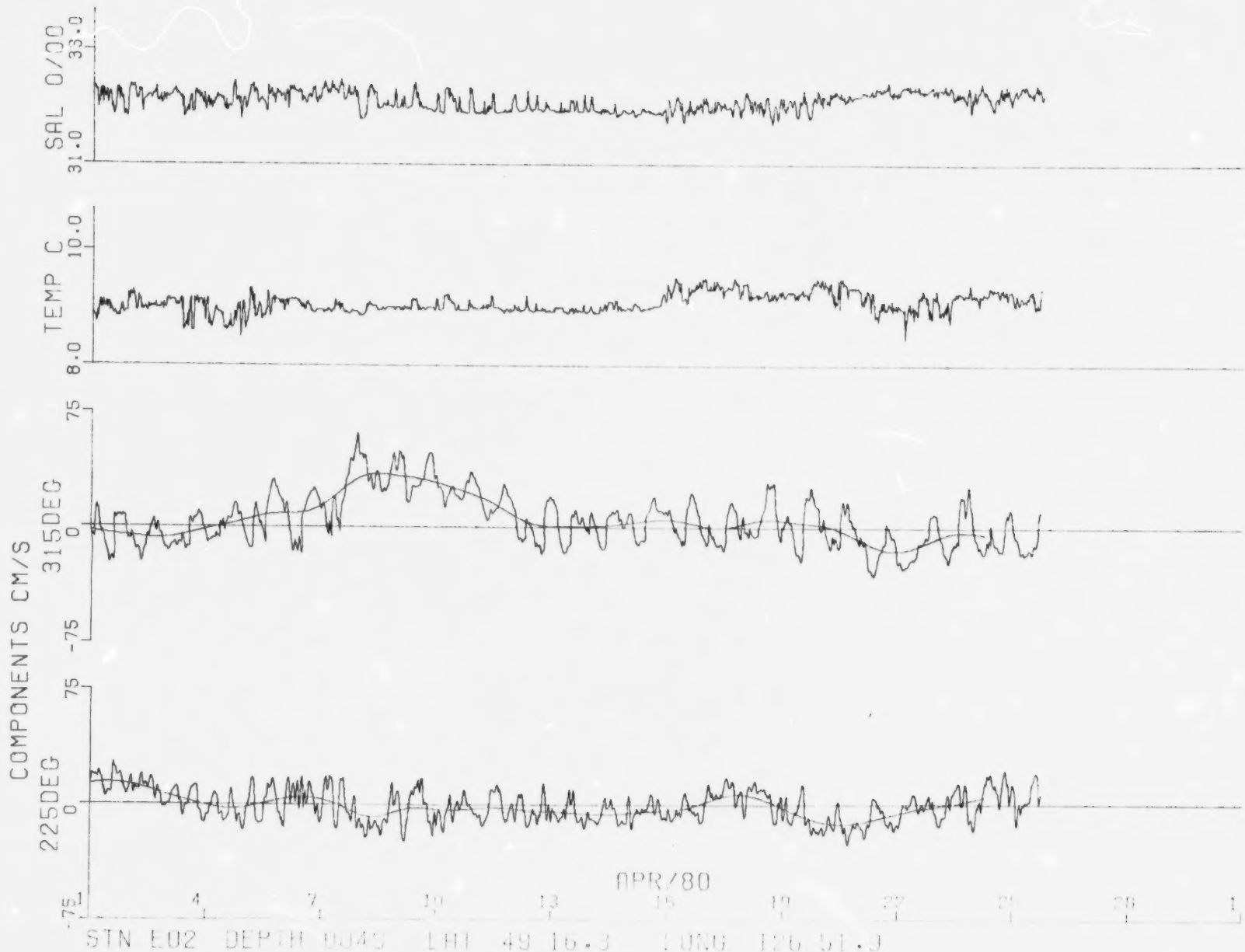



STATION E01
DEPTH 84 METRES
START OF RECORD 23/ 1/1980
DURATION 100 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

SAL 0/00
33.0
31.0
TEMP C
10.0
8.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
SIN E02 DEPTH 0048 LAT 49 15.3 LONG 125 51.0
JAN/80
4
7
10
13
16
19
25
28
31


SAL O/OO
33.0
31.0
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN E02 DEPTH 0049 LAT 49 15.3 LONG 126 51.9


SAL 0/00
33.0
31.0
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN EC2 DEPTH 0049 LAT 49 15.3 LONG 126 51.9


SAL 0/00
33.0
31.0
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
4
7
10
13
15
17
22
25
28
1
STN E02 DEPTH 0045 LAT 49 16.3 LONG 126 51.9

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E02 Depth 0049 ESTEVAN POINT 49 16.3 N 126 51.9 W Length of record= 93 Days
Start of record 30 mn 10 hr 23 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		013	027	021	018	007	004	003		001				002												96
10- 19		007	024	019	006	001		001	001																	59
20- 29		009	036	016	006	002	002	001	002	001																75
30- 39		004	037	014	002	001																				58
40- 49		010	031	011	003																					55
50- 59		009	022	015	005	007																				58
60- 69		007	016	015	011	003																				52
70- 79		009	023	019	012	011	004																			78
80- 89	003	010	016	019	018	024	013																			103
90- 99		007	015	022	020	016	009	006																		95
100-109	001	012	016	028	034	025	010	003																		129
110-119		012	028	020	017	016	013	008																		114
120-129		016	036	027	015	029	015	008	005																	151
130-139		009	036	022	012	013	016	001																		109
140-149	002	012	026	024	036	013	005																			118
150-159	003	007	035	040	038	002	011	005	003																	144
160-169		016	035	029	015	013	004	001																		113
170-179	001	019	031	041	009	003	001																			105
180-189		010	025	030	012	004	001																			82
190-199	002	014	026	017	015	002																				76
200-209		005	020	017	010																					52
210-219	001	010	026	019	008																					64
220-229		002	016	028	008																					54
230-239	002	005	023	025	013	001																				69
240-249	001	002	030	036	017	002																				88
250-259		005	034	030	008	001																				78
260-269		005	026	020	015	004		003	006	001																80
270-279	001	007	022	029	016	007	006	003	002		001															94
280-289		005	018	026	025	013	014	008	003	004	003															119
290-299		008	021	027	032	022	013	009	008	009	004	006														159
300-309	001	011	023	045	037	043	010	017	014	015	003	006	002	001												228
310-319	002	010	029	056	057	048	032	032	030	025	014	002	001	003												341
320-329		013	032	068	065	059	057	029	033	029	013	008	006	003	001											416
330-339	002	008	027	054	057	066	045	026	019	024	013	006	001	004	001											353
340-349		011	036	042	035	040	044	029	010	009	004	005		002	001											268
350-359		010	037	021	021	020	014	009	008	001		001	002	002												146
	329		992		518		202		119		34		17		0		0		0		0		0		0	4479
	22		961		728		343		144		55		12		3		0		0		0		0		0	

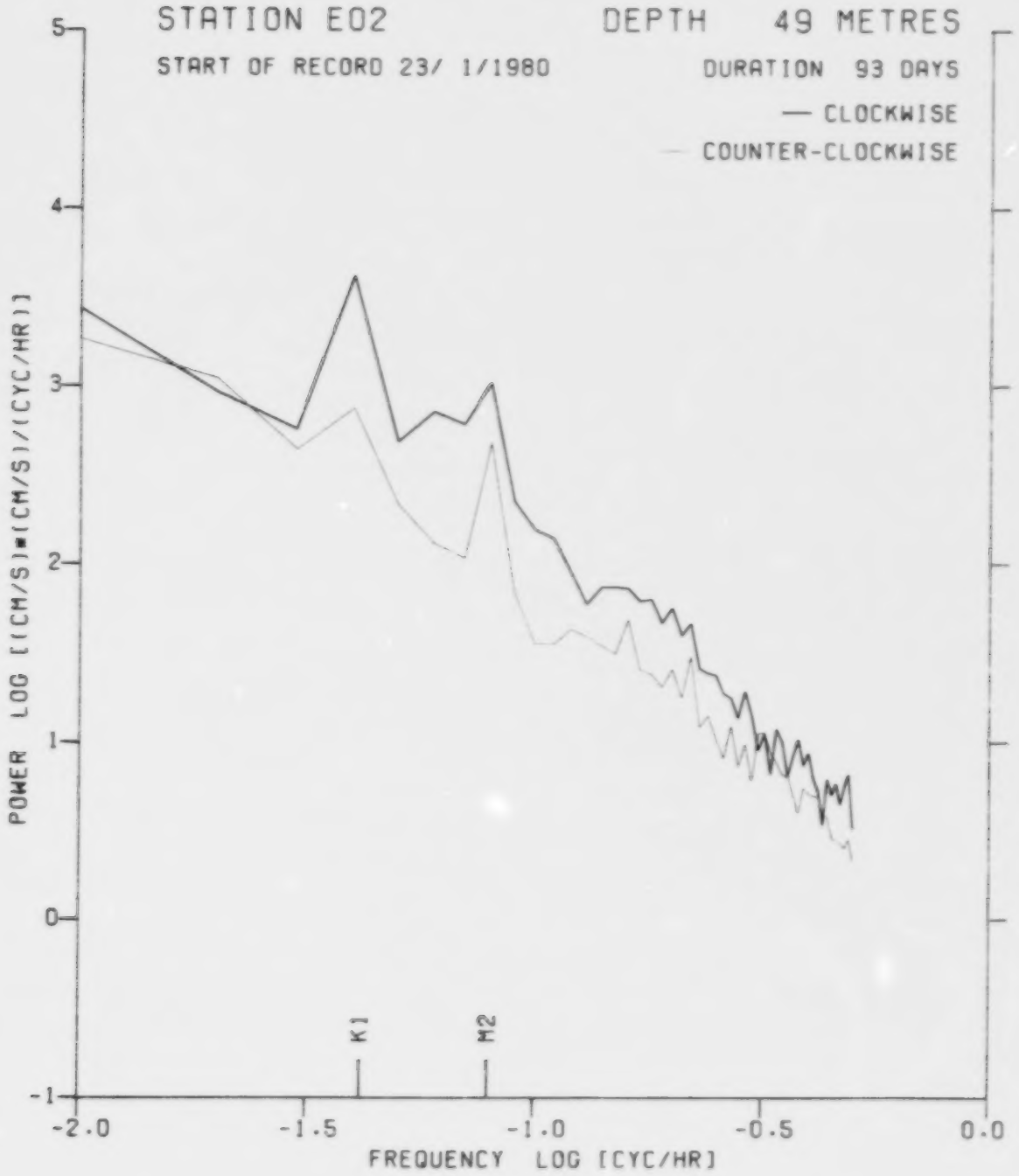
Number of zero rates: 0

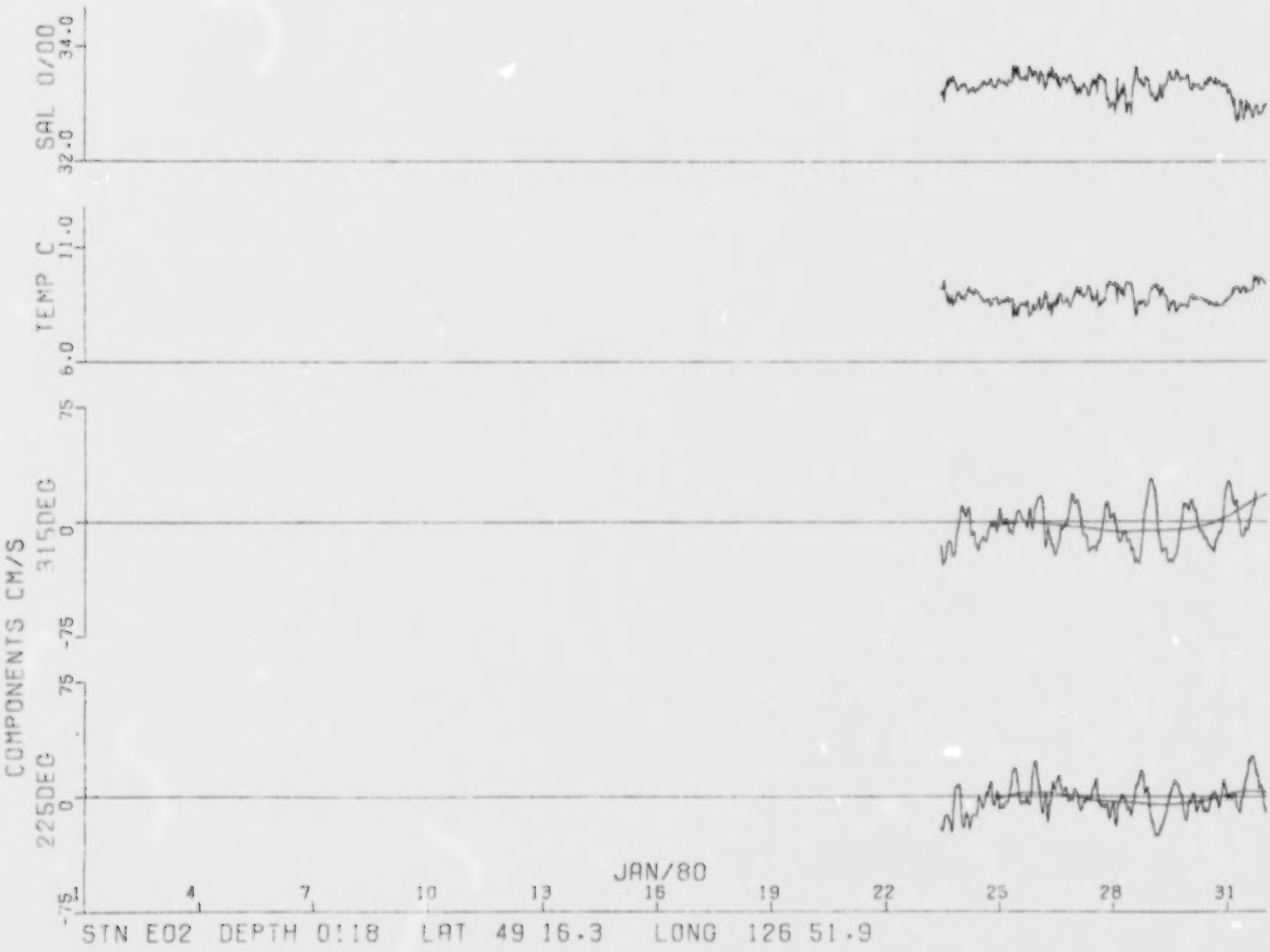
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

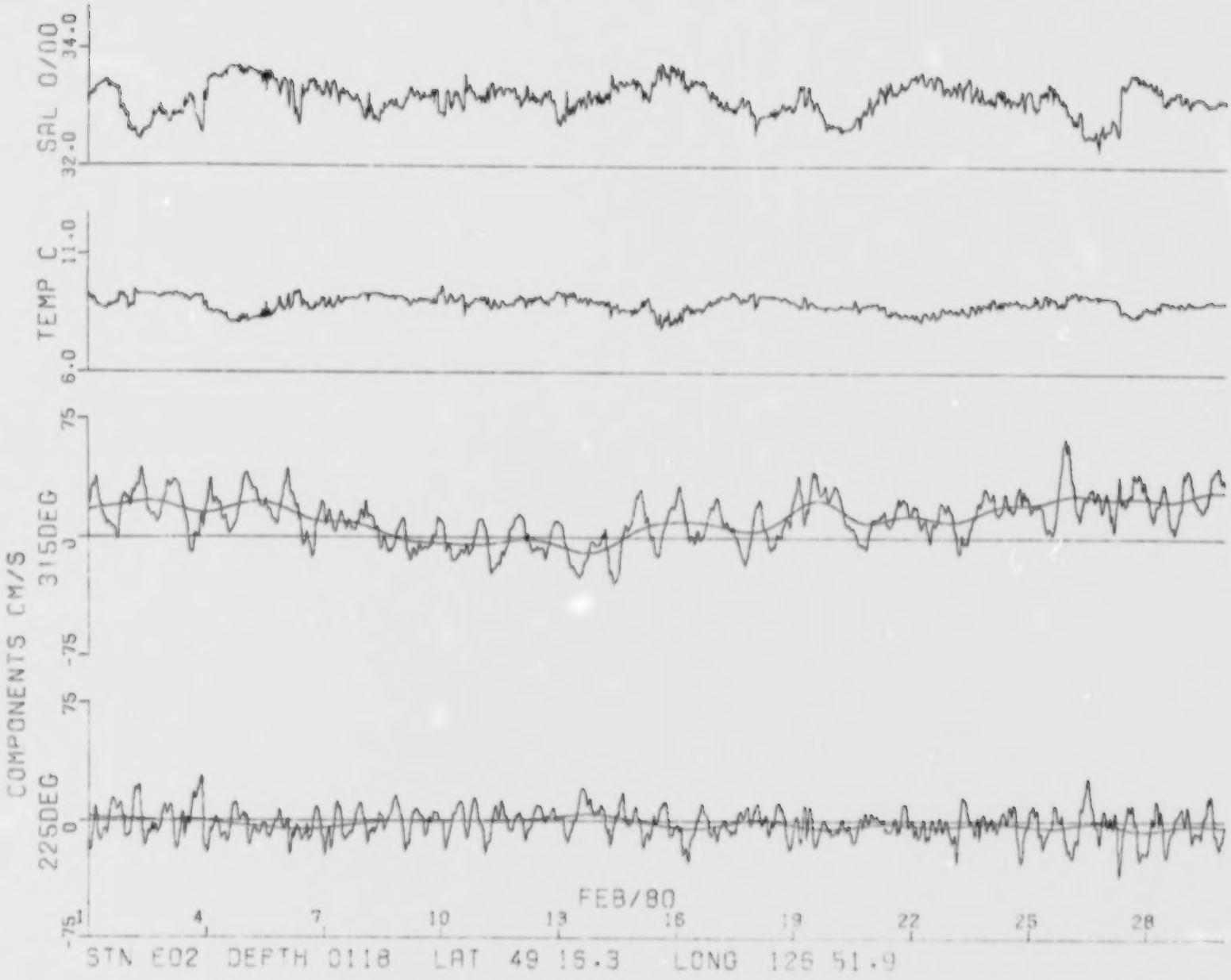
□ODD NUMBERED DAYS
●EVEN NUMBERED DAYS

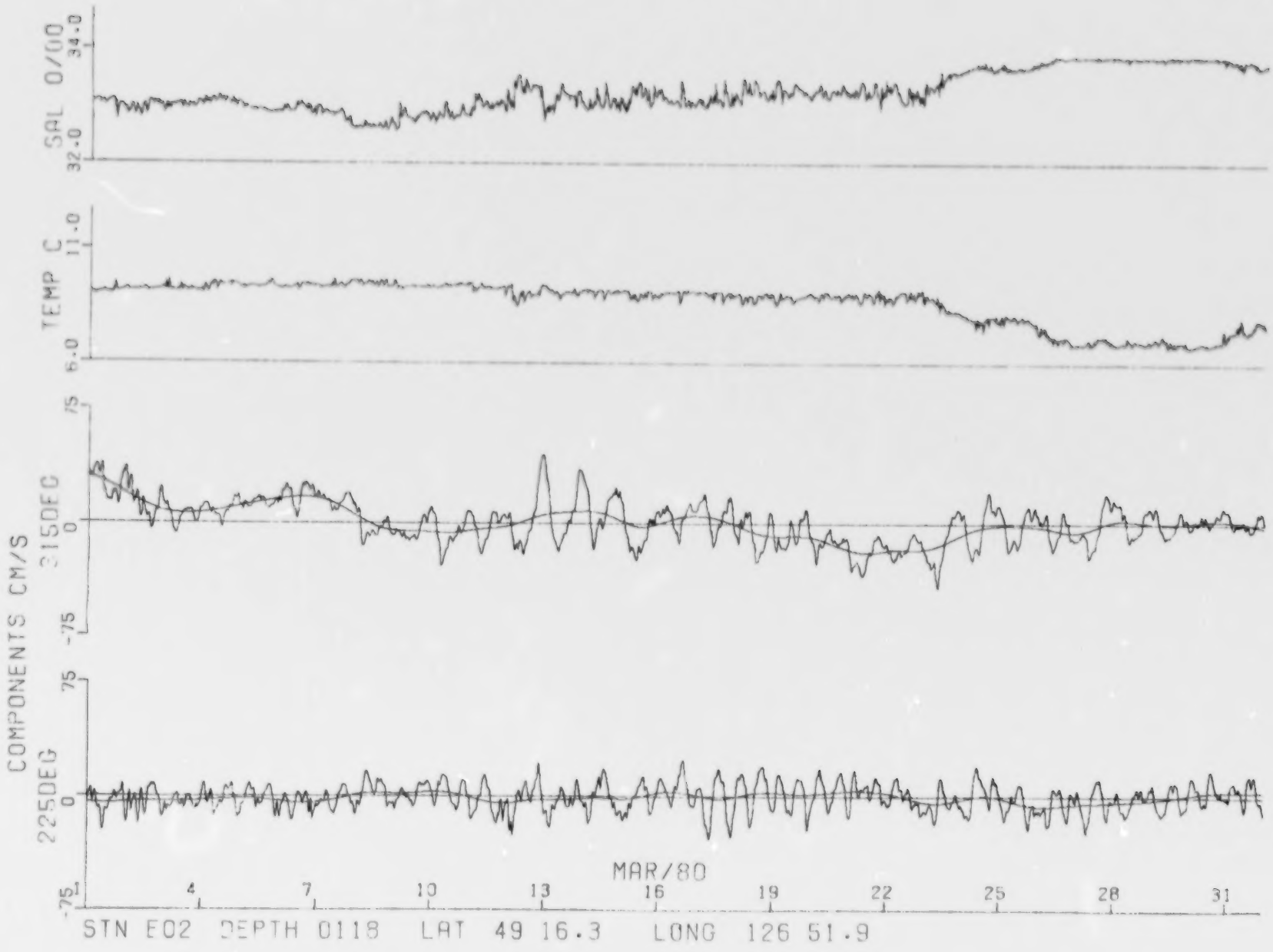
SIN	DEPTH	AREA	DAY/YR	NO DAYS
E02	0049M	3530	23 /80	93

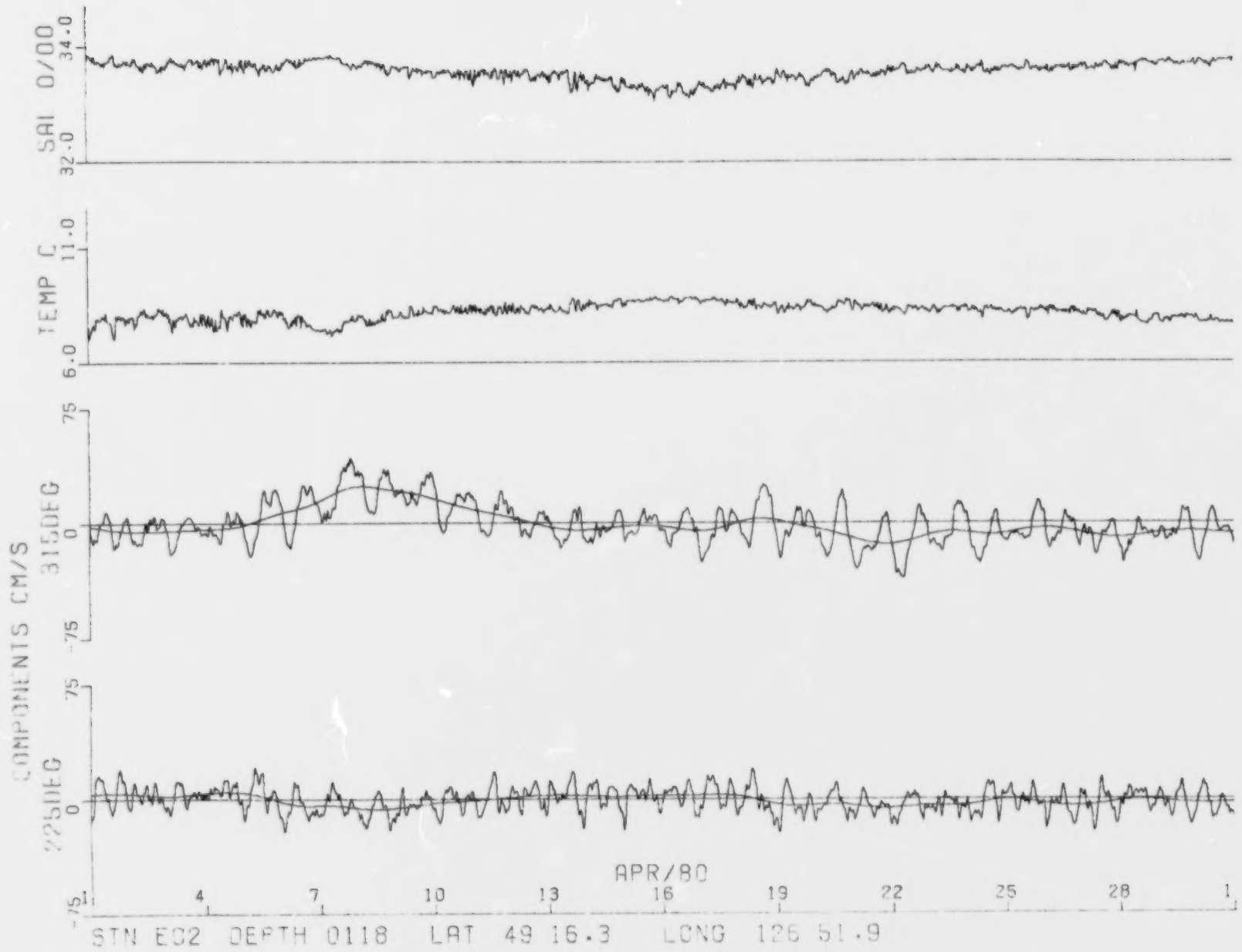
SCALE
100 KM

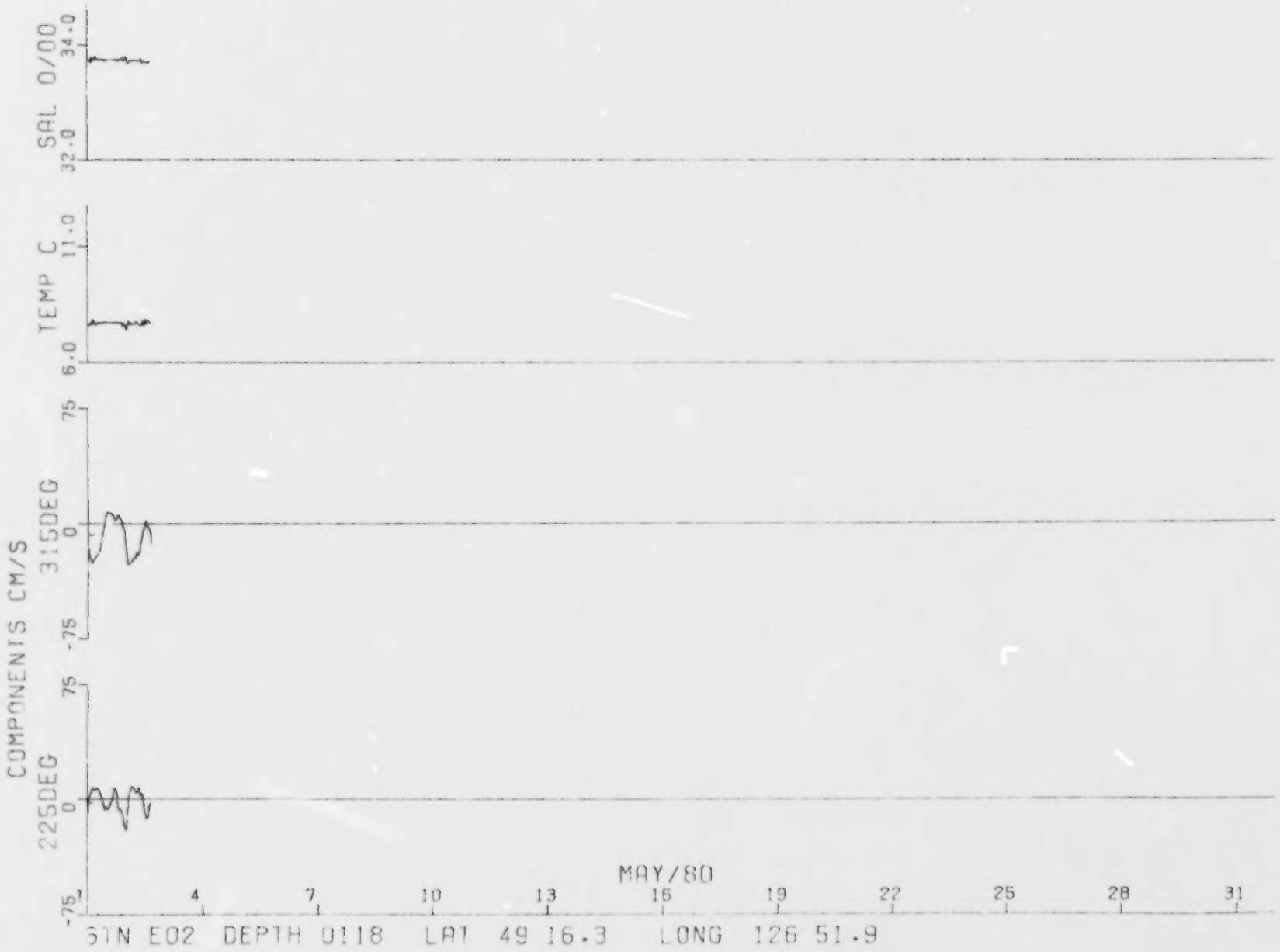

STATION E02
DEPTH 49 METRES
START OF RECORD 23/ 1/1980
DURATION 93 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
1
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0118 LAT 49 16.3 LONG 126 51.9


SAL 0/00
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
FEB/80
STN E02 DEPTH 0118 LAT 49 15.3 LONG 126 51.9


SAL 0/00
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0118 LAT 49 16.3 LONG 126 51.9


SAL 0/00
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN EC2 DEPTH 0118 LAT 49 16.3 LONG 126 51.9


SAL O/OO
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0118 LAT 49 16.3 LONG 126 51.9

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E02 Depth 0118 ESTEVAN POINT 49 16.3 N 126 51.9 W Length of record=100 Days
Start of record 30 mn 10 hr 23 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	004	053	042	026	007	006	004	002		001																145
10- 19	002	046	047	020	008	001	001																			125
20- 29	007	031	024	013	008	002																				85
30- 39	007	042	025	016	006	001																				97
40- 49	009	030	026	015	004	001																				85
50- 59	002	017	023	009	007	005																				63
60- 69	006	015	032	012	007	002																				74
70- 79	005	020	028	018	009	002	001																			83
80- 89	005	020	034	019	006	008	001																			93
90- 99	004	029	042	029	015	010	003	001																		133
100-109	001	031	033	029	021	017	004	002																		138
110-119	001	027	040	031	012	013	004	001	002																	131
120-129	007	028	046	036	016	010	004	002	001																	150
130-139	005	034	041	033	023	016	003	004																		159
140-149	009	045	047	038	022	020	007																			188
150-159	006	044	044	037	037	016																				184
160-169	004	044	043	024	014	010	003																			142
170-179	004	045	045	035	016	009	002																			156
180-189	008	037	047	030	010	004																				136
190-199	005	031	029	015	006	001																				87
200-209	007	024	029	006	001																					67
210-219	007	027	023	005	001																					63
220-229	007	025	027	015	002																					76
230-239	004	032	025	007	007	001																				76
240-249	004	015	022	004	001	004																				50
250-259	007	031	027	007	004	001	001																			78
260-269	002	025	026	005	002	001		001																		62
270-279	005	013	028	003	001	001	001	003																		55
280-289	004	029	031	013	008	006	003	007	001																	102
290-299	006	032	031	030	027	017	013	001	002	001																160
300-309	007	035	053	032	028	021	016	007	006																	205
310-319	008	046	055	056	047	031	022	024	015		001	001														306
320-329	006	044	049	057	060	046	038	023	014			003	002													342
330-339	003	041	044	051	063	039	018	021	009	004	001	001	001													296
340-349	004	044	047	058	040	013	011	015	007	004																243
350-359	009	042	050	025	019	017	010	004																		176
	1174		859		352		118		10		5		0		0		0		0		0		0		0	4811
	191	1305		565		170		57		2		3		0		0		0		0		0		0		

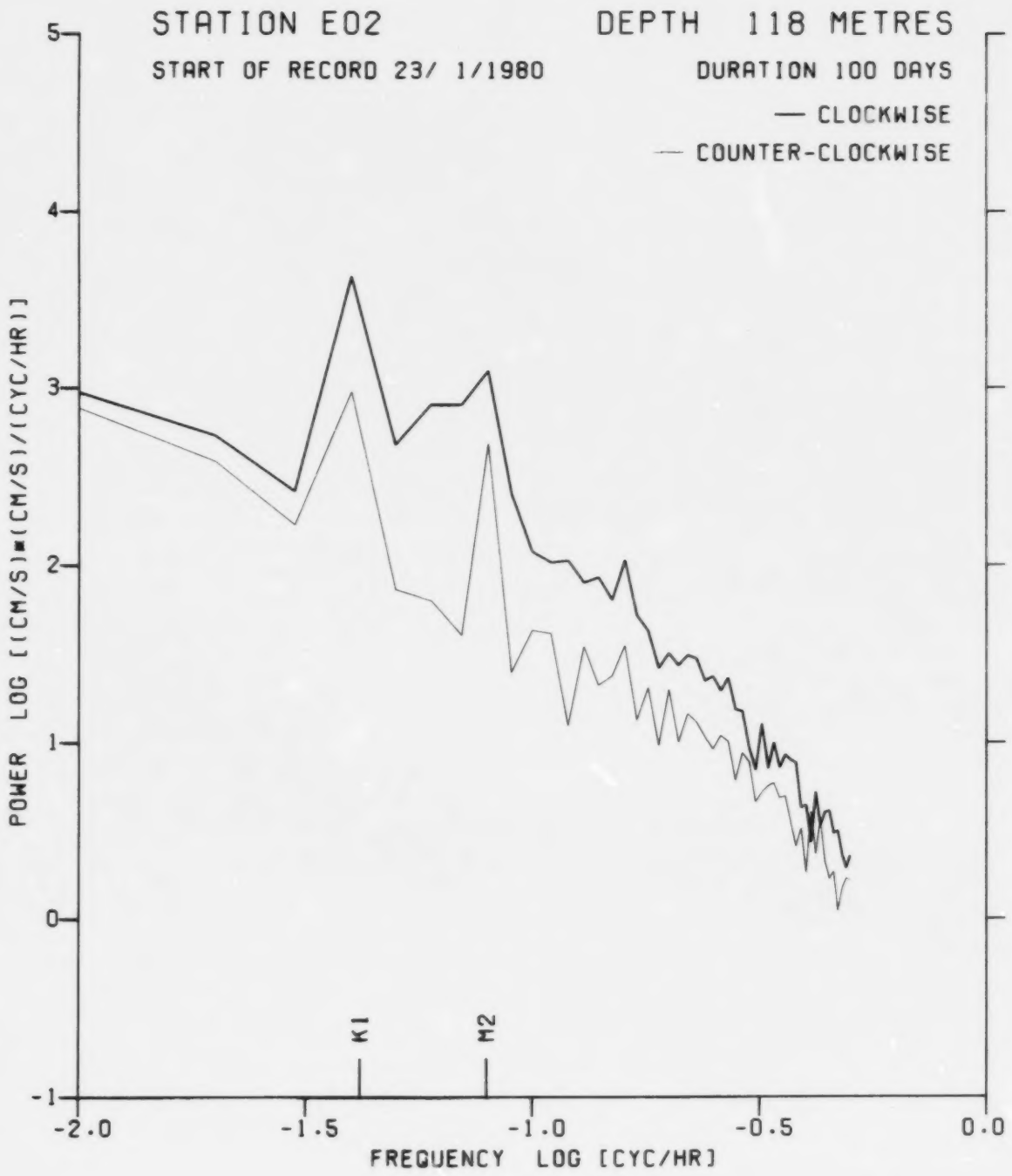
Number of zero rates: 0

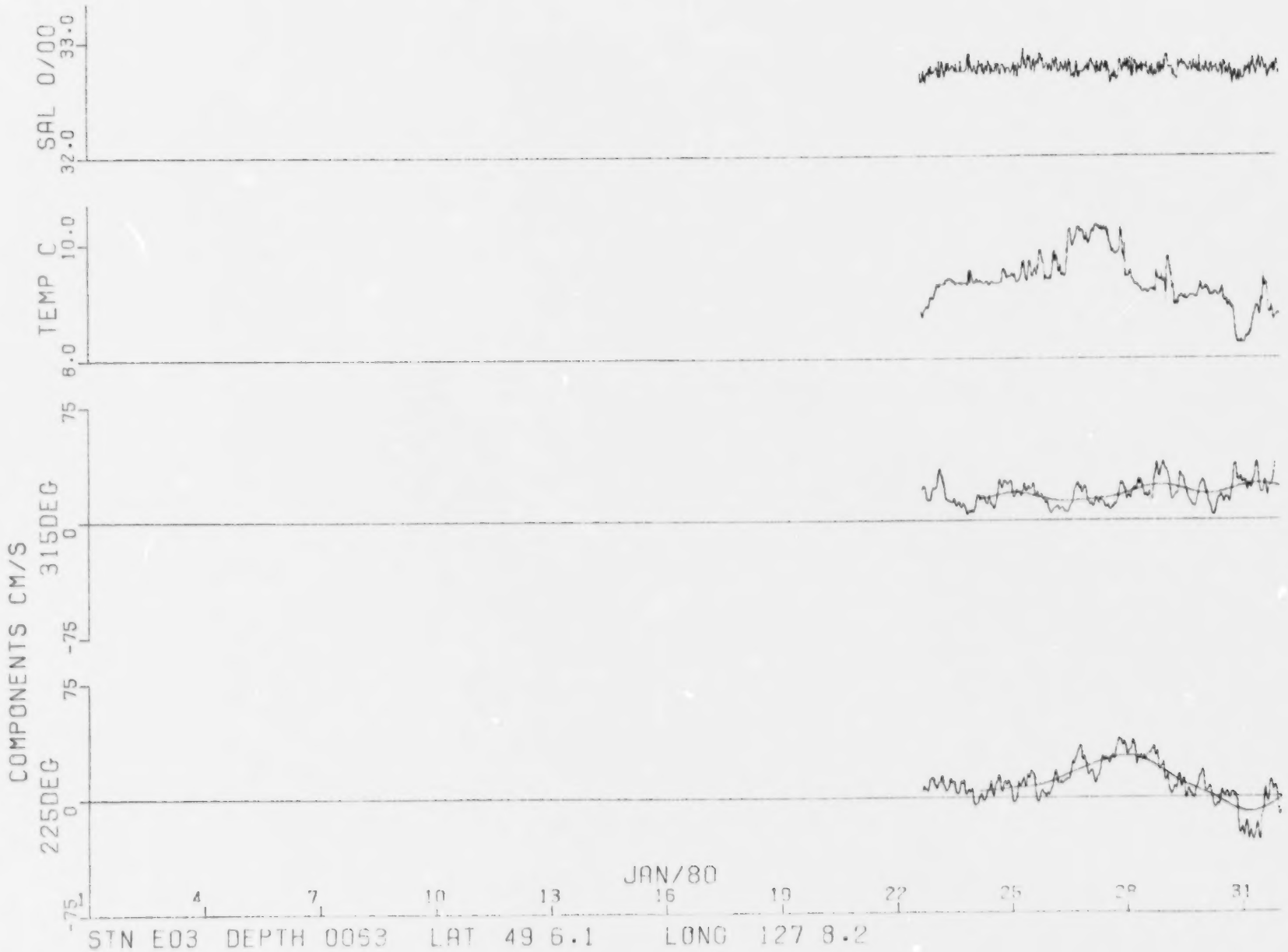
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

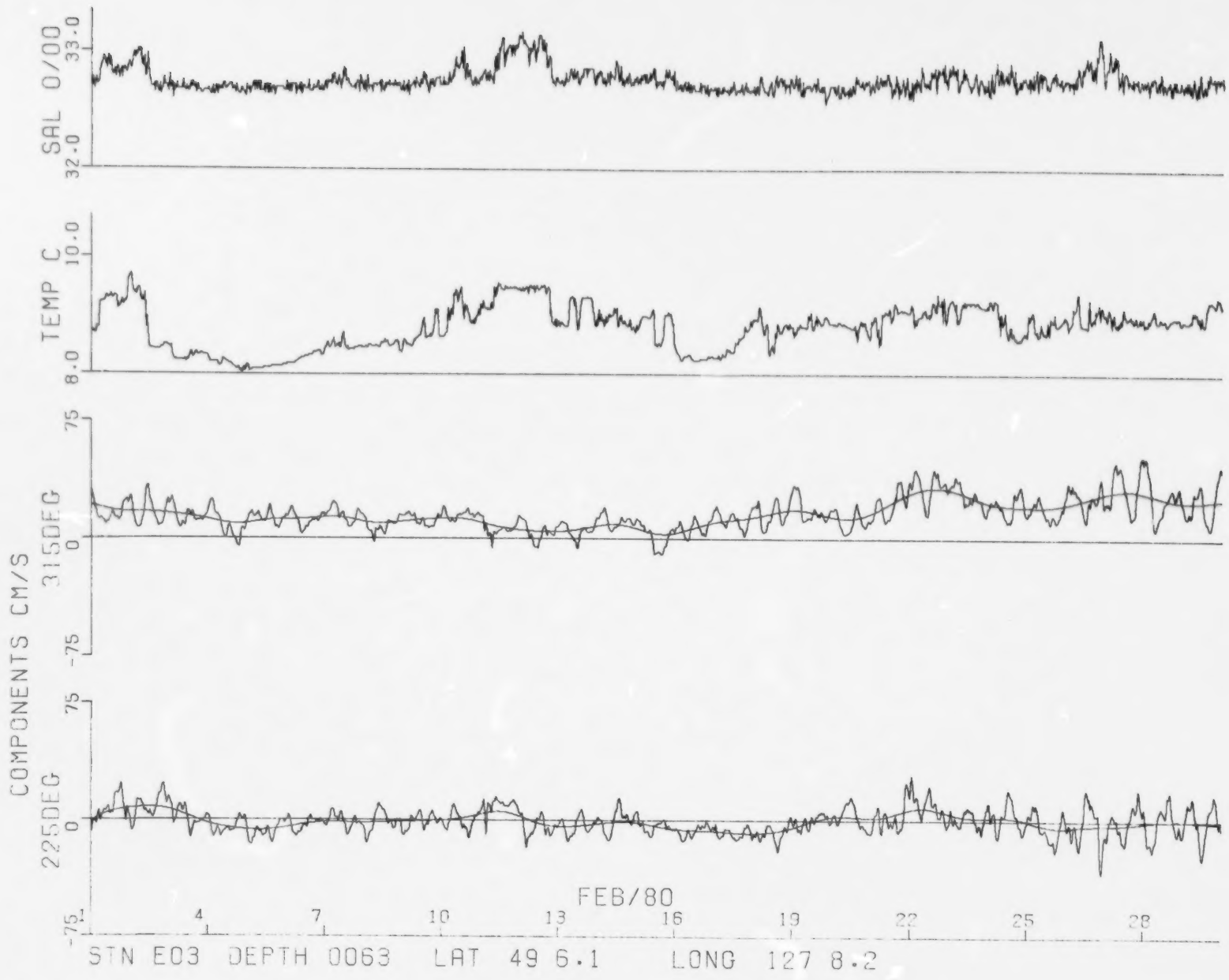
□ODD NUMBERED DAYS
●EVEN NUMBERED DAYS

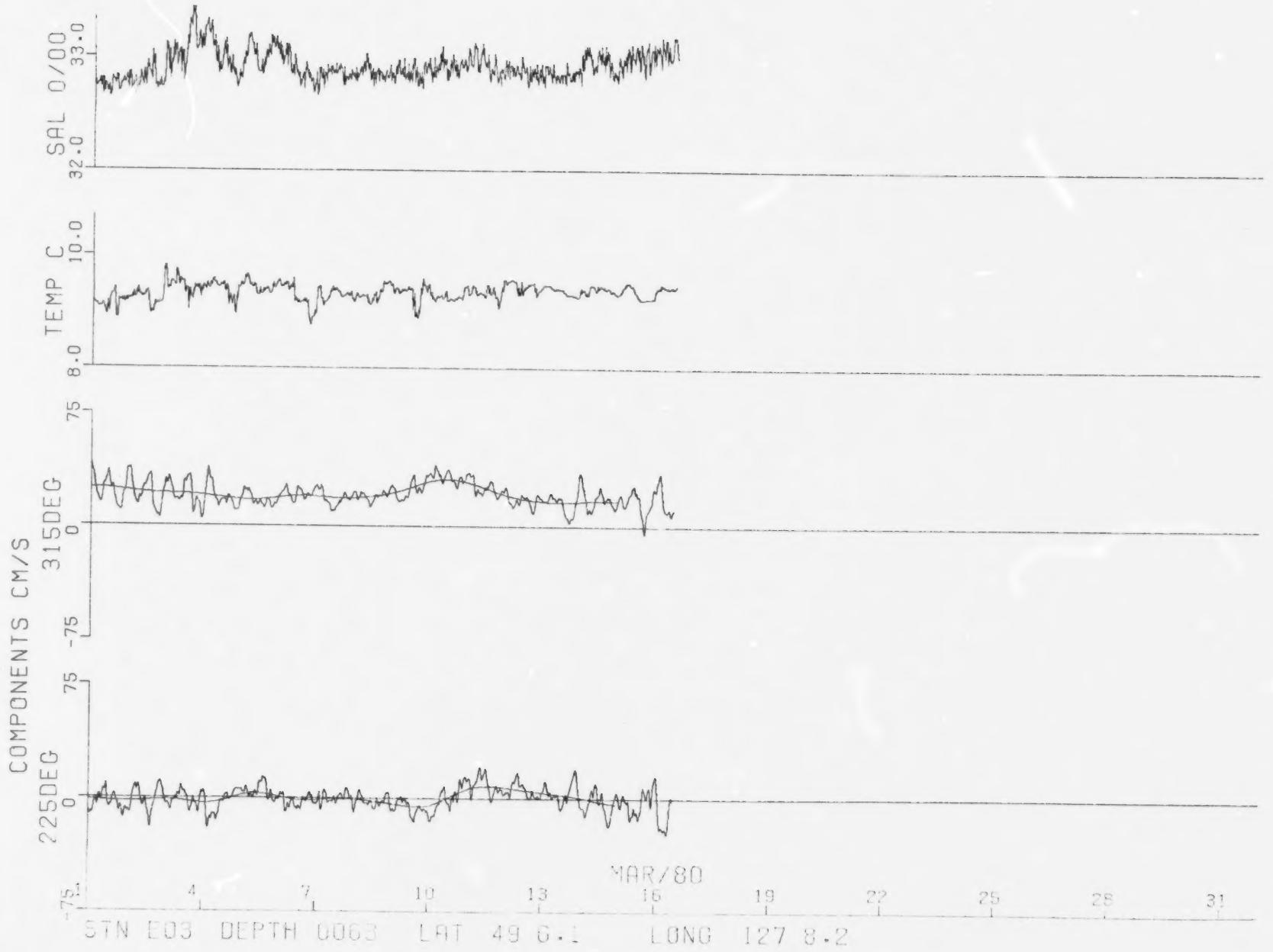
STN	DEPTH	ORIG	DAY/YR	NO DAYS
E02	0118M	8500	23 /80	100

SCALE ⊢——+——+——+——⊣
100 KM


STATION E02
DEPTH 118 METRES
START OF RECORD 23/ 1/1980
DURATION 100 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
33.0
32.0
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0053 LAT 49 6.1 LONG 127 8.2


SAL 0/00
33.0
32.0
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN E03 DEPTH 0063 LAT 49 6.1 LONG 127 8.2


SAL O/OO
33.0
32.0
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
MAR/80
STN E03 DEPTH 0063 LAT 49 6.1 LONG 127 8.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0063 ESTEVAN POINT 49 06.1 N 127 08.2 W Length of record= 54 Days
Start of record 0 mn 16 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		017	019	016	007	005	007	003		001																75
10- 19	003	025	015	004	008	002	001																			58
20- 29		011	013	005	003																					32
30- 39		009	009																							18
40- 49		008	005																							13
50- 59	002	002	001																							5
60- 69		003																								3
70- 79		002	001																							3
80- 89		001																								1
90- 99	001	001	001																							3
100-109	001	002																								3
110-119		005	001																							6
120-129	001	006																								7
130-139	001	007																								8
140-149		001																								1
150-159	002																									2
160-169	001																									1
170-179		002																								2
180-189	001																									1
190-199		001																								1
200-209																										0
210-219																										0
220-229		001																								1
230-239		002	003	001		001																				7
240-249	002	004	019	002	005	010	002	007	001																	52
250-259	001	010	029	013	013	010	012	008	007																	103
260-269		011	026	009	011	006	012	007	001																	83
270-279		011	024	027	015	017	004	006	003																	107
280-289		009	026	031	027	026	012	007	003	001																142
290-299	001	016	053	056	054	038	016	018	004	006	001															263
300-309	001	010	077	090	081	047	030	015	007	002	004															364
310-319	001	015	090	102	057	043	033	013	005	007	001															367
320-329		016	067	094	052	044	036	024	004	002	001															340
330-339		024	034	057	051	027	017	018	007	002																237
340-349		024	037	038	021	013	010	010	001																	154
350-359	002	020	024	036	012	005	014	004	001	001																119
		276		581		294		140		22		0		0		0		0		0		0		0		2582
	21		574		417		206		44		7		0		0		0		0		0		0		0	

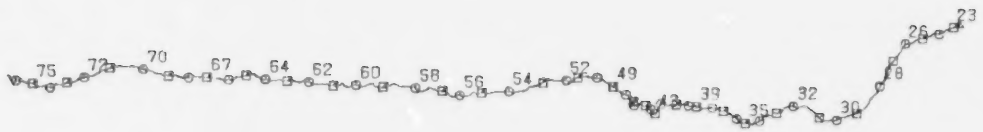
Number of zero rates: 0

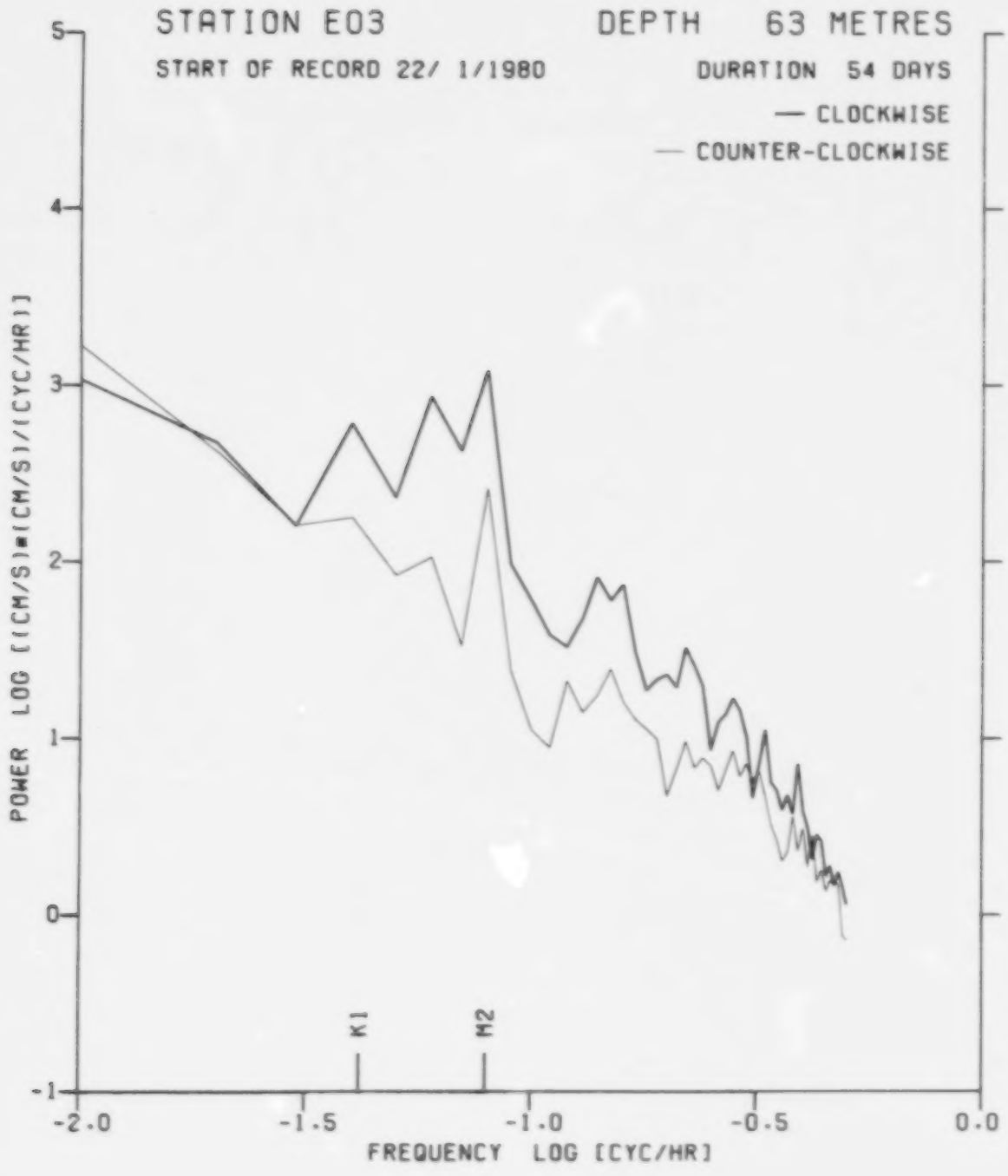
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0063M	8600	22 /80	54

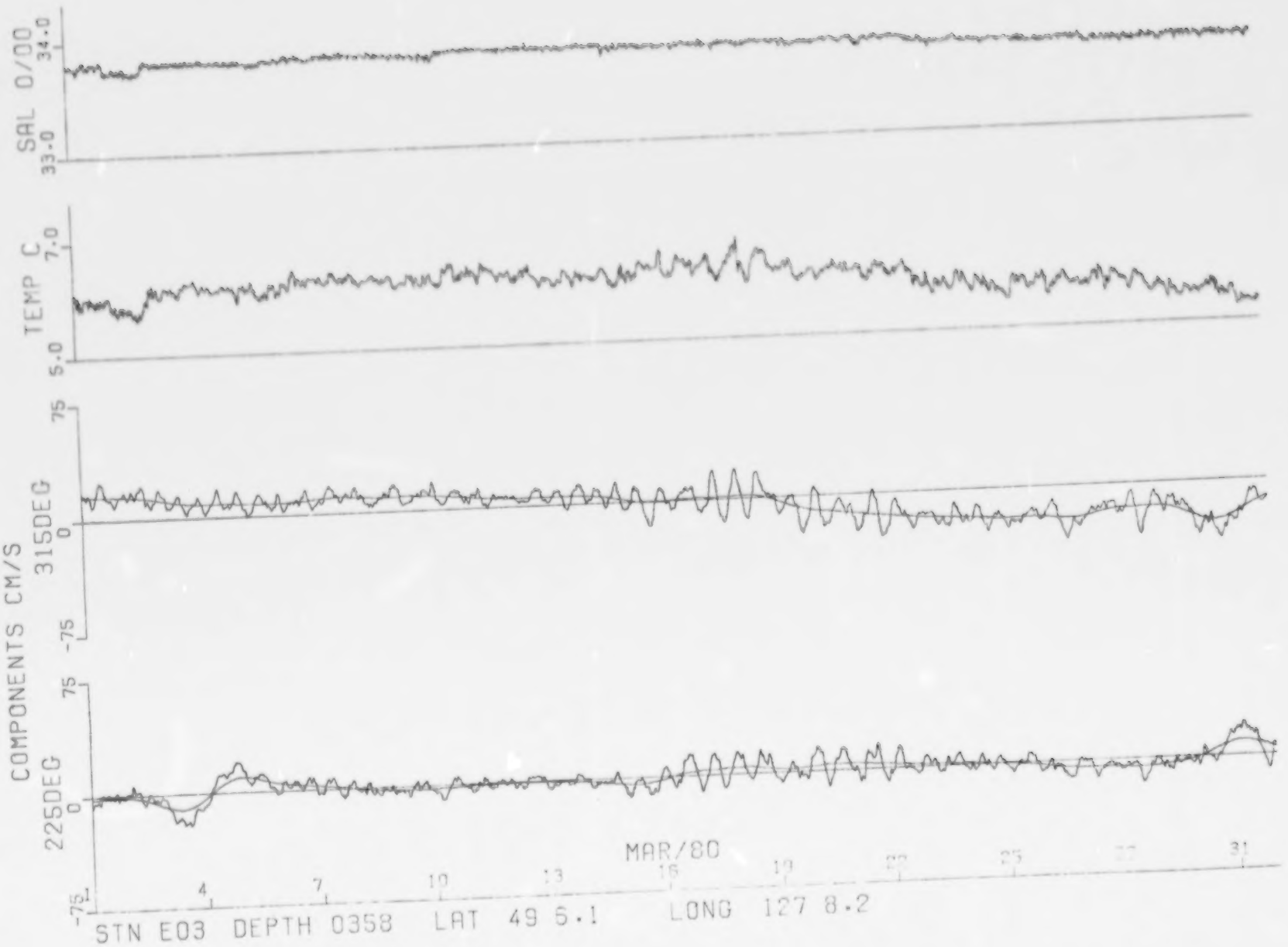
SCALE
100 KM

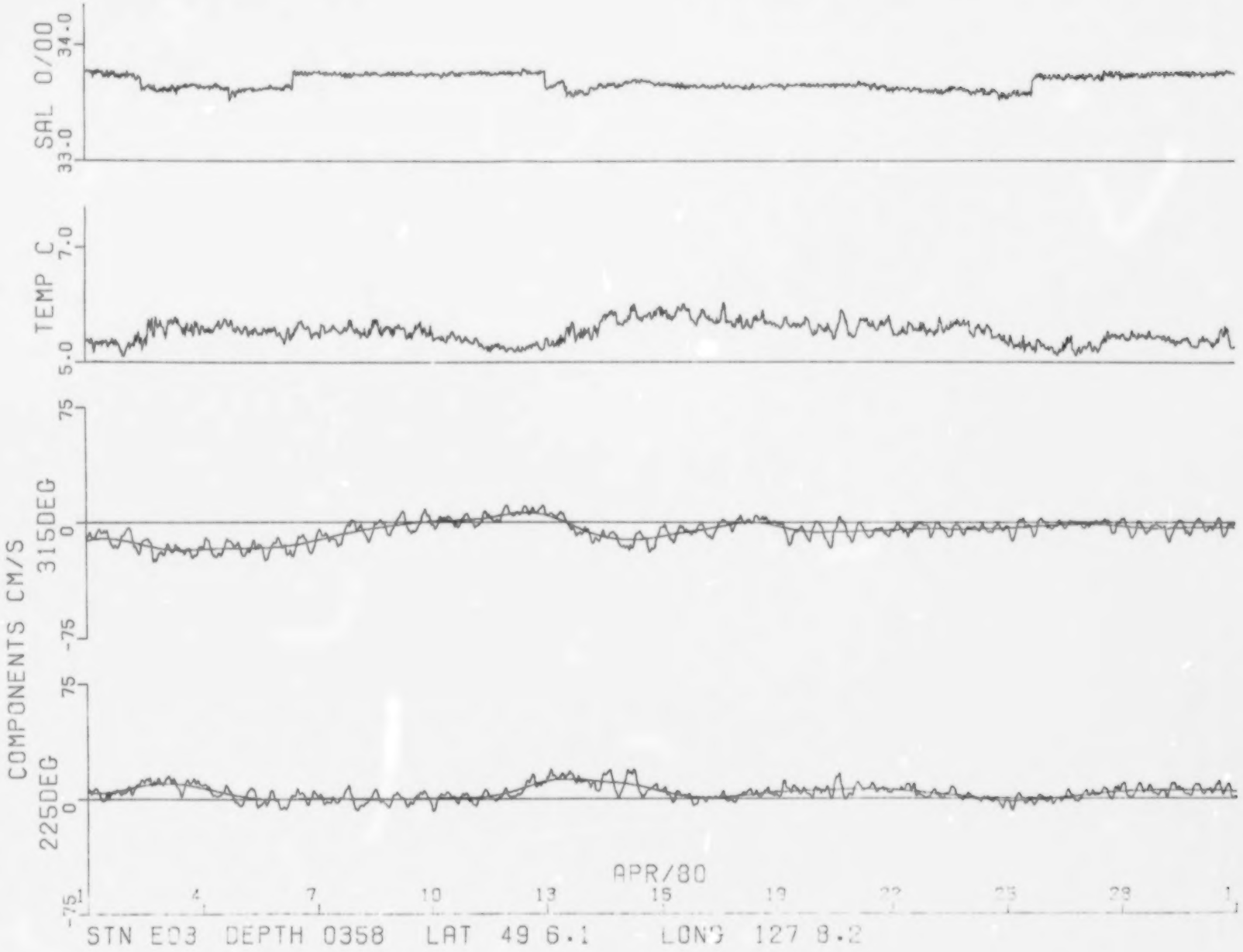



STATION E03
DEPTH 63 METRES
START OF RECORD 22/ 1/1980
DURATION 54 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E03 DEPTH 0358 LAT 49 6.1 LONG 127 8.2
JAN/80
4
7
10
13
15
19
22
25
26
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
5.0
7.0
33.0
34.0

STN E03 DEPTH 0358 LAT 49 6.1 LONG 127 8.2
FEB/80
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
5.0
7.0
SAL 0/00
33.0
34.0


SAL O/OO
34.0
33.0
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0358 LAT 49 5.1 LONG 127 8.2


SAL O/OO
34.0
33.0
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
4
7
10
13
15
18
22
25
28
1
STN E03 DEPTH 0358 LAT 49 6.1 LONG 127 8.2

COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
-75
0
75
5.0
7.0
33.0
34.0
STN E03 DEPTH 0358 LAT 49 6.1 LONG 127 8.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0358 ESTEVAN POINT 49 06.1 N 127 08.2 W Length of record=100 Days
Start of record 0 mn 16 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	042	047	023	001	006																					119
10- 19	031	025	016	003	007																					82
20- 29	029	037	010	009	002																					87
30- 39	023	010	006																							47
40- 49	026	015	005																							46
50- 59	024	019	003																							46
60- 69	027	010	002																							39
70- 79	025	012	003	001																						41
80- 89	019	010	002	001	001																					41
90- 99	029	017	008	001	001																					56
100-109	025	017	010	011	005	001																				77
110-119	034	045	030	042	012	005	007																			175
120-129	029	044	040	073	024	008	004	002																		224
130-139	030	029	047	037	049	027	006																			225
140-149	032	044	038	031	043	007	008																			203
150-159	037	052	034	048	019	005	001	006																		202
160-169	037	066	038	044	038	008	007	001																		239
170-179	051	043	027	014	015	010	008																			160
180-189	032	059	022	020	012	002																				147
190-199	040	048	031	014	004																					145
200-209	043	031	019	007																						100
210-219	043	027	005	003																						78
220-229	031	030	007	005																						73
230-239	040	031	010	003																						84
240-249	034	032	022	019	007																					114
250-259	032	036	015	005	001																					89
260-269	029	052	023	012																						116
270-279	040	044	021	018	002																					125
280-289	038	055	016	011	003																					123
290-299	041	068	037	019																						165
300-309	039	080	049	025	004	002																				199
310-319	040	076	054	051	023	005	003																			252
320-329	036	126	059	049	020		001																			291
330-339	027	113	079	033	008	004																				264
340-349	044	069	049	016	006	004																				188
350-359	035	054	031	007																						127
	1589		633		80		9		0		0		0		0		0		0		0		0			4797
	1222		899		312		45		0		0		0		0		0		0		0		0			

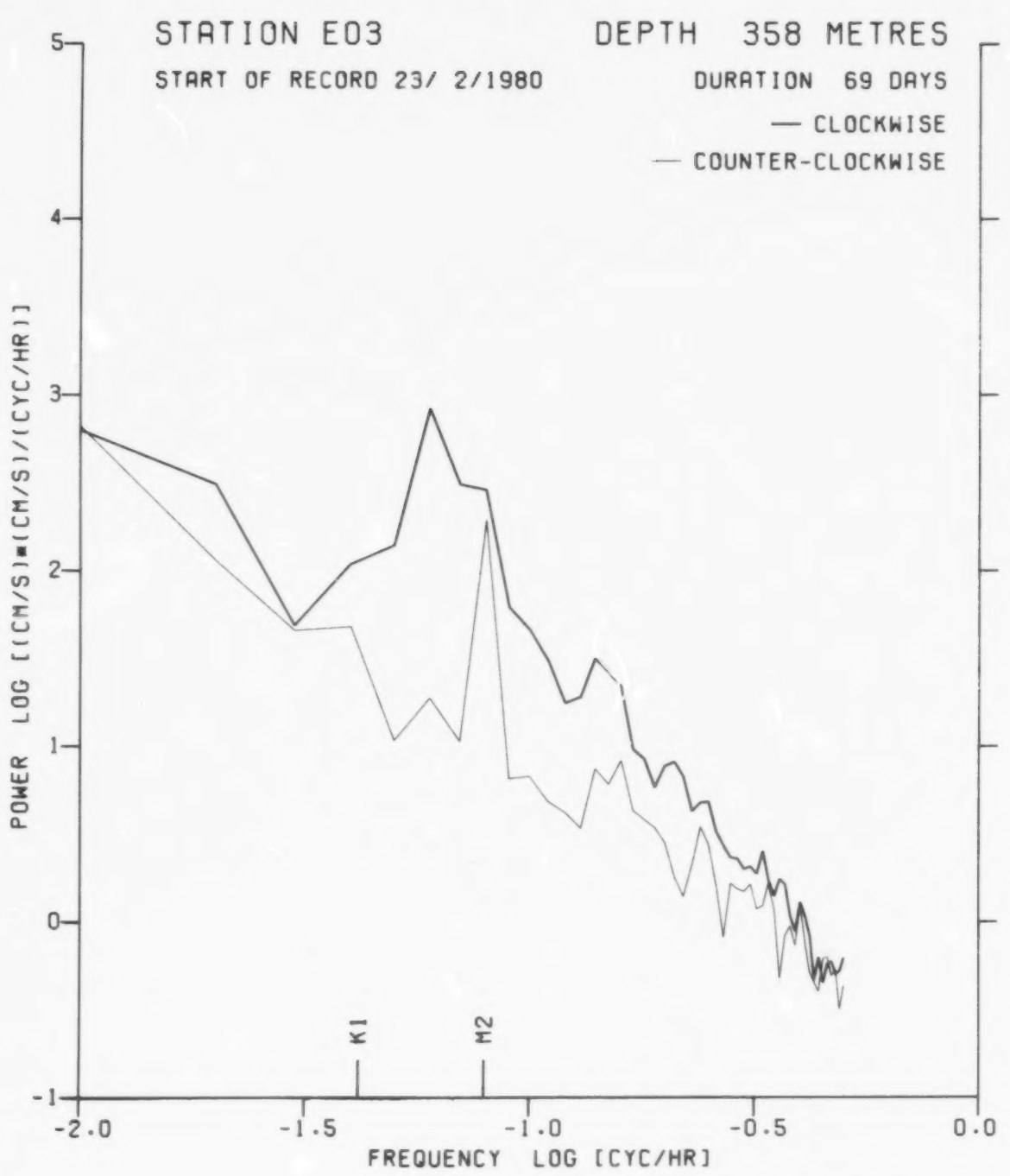
Number of zero rates: 0

ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

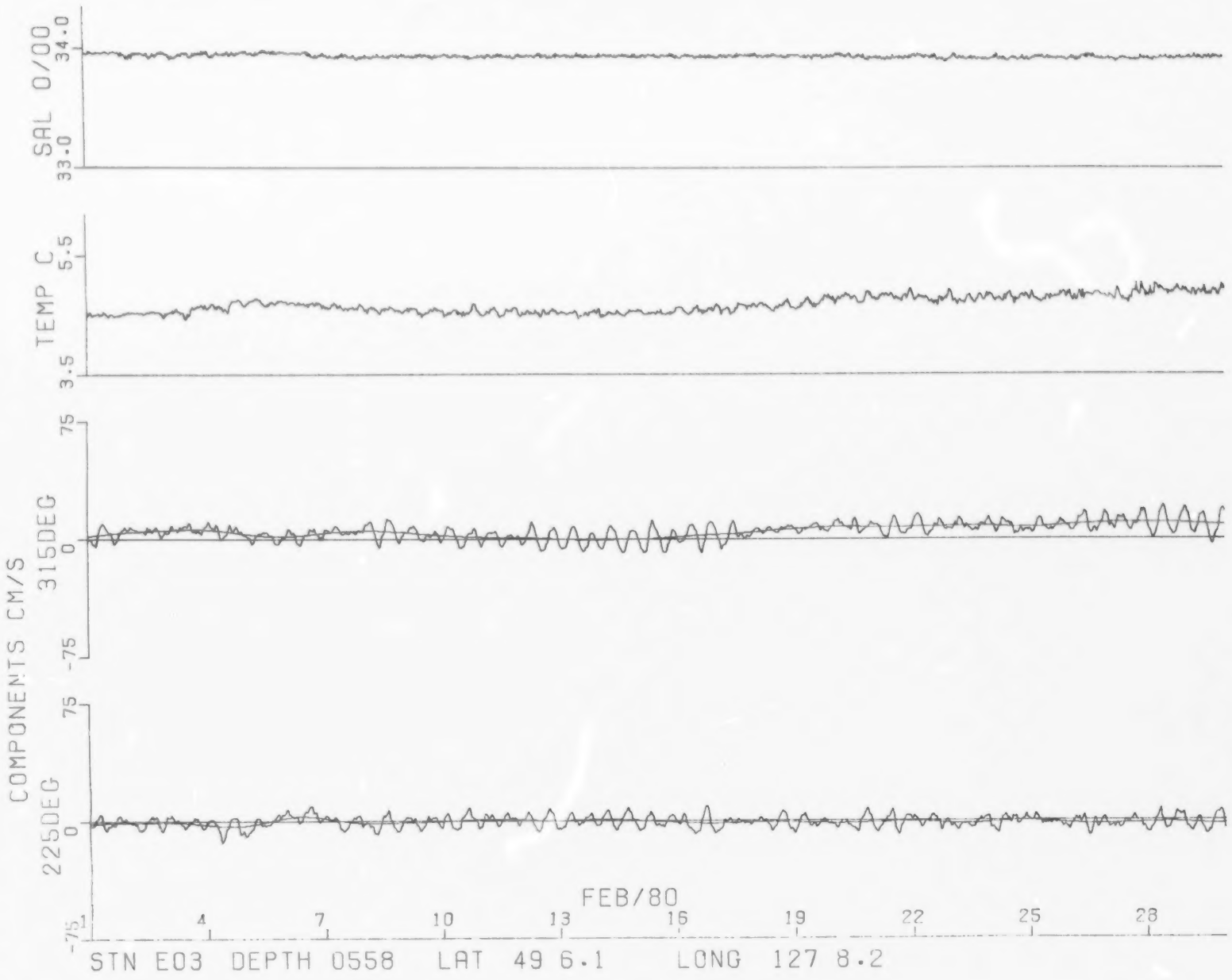
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

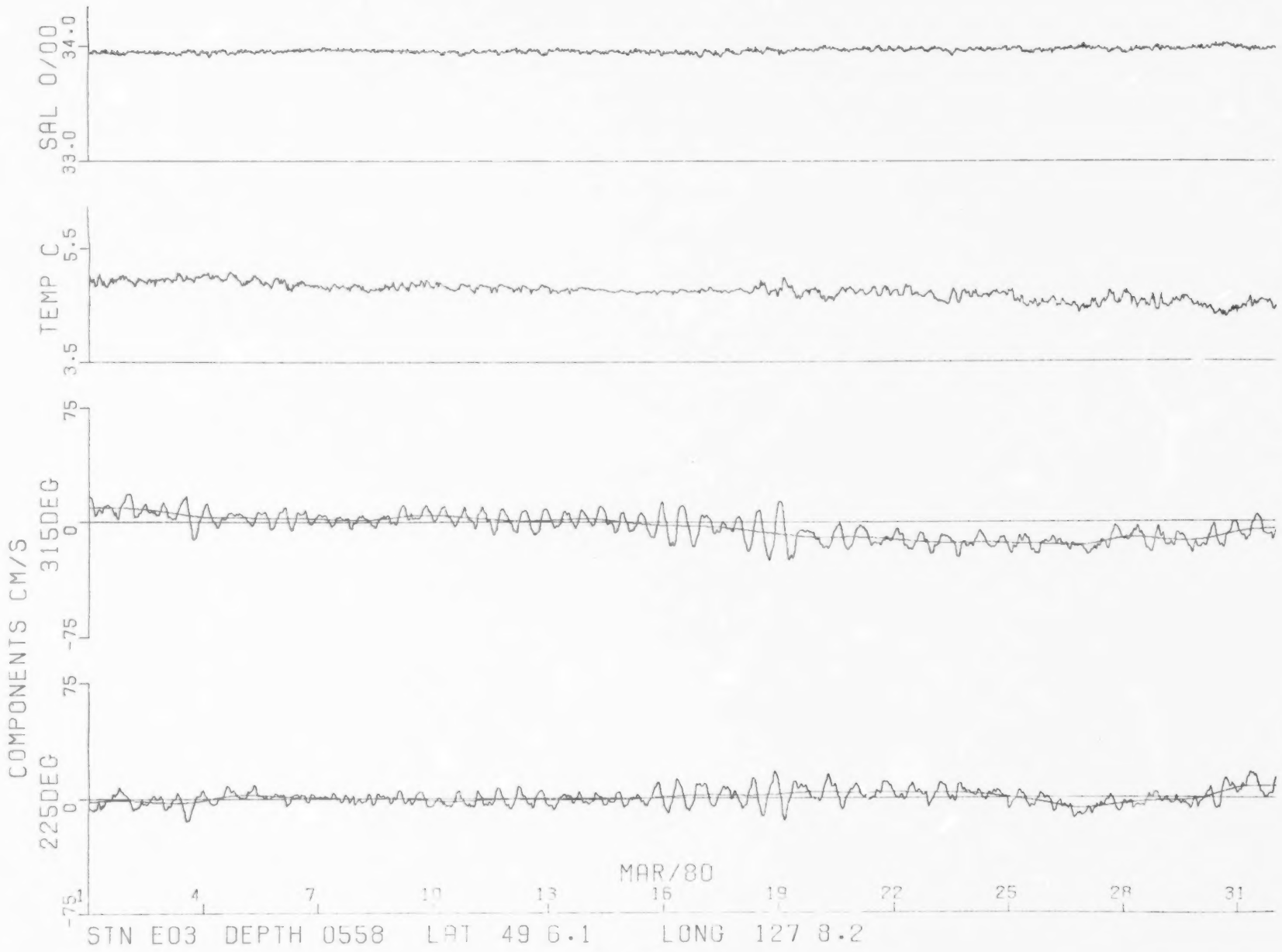
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0358M	8500	54 /80	69

SCALE ⊢———⊣
100 KM


STATION E03
DEPTH 358 METRES
START OF RECORD 23/ 2/1980
DURATION 69 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E03 DEPTH 0558 LAT 49 6.1 LONG 127 8.2
JAN/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.5
5.5
33.0
34.0


SAL O/OO
34.0
33.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN E03 DEPTH 0558 LAT 49 6.1 LONG 127 8.2


SAL O/OO
34.0
33.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0558 LAT 49 6.1 LONG 127 8.2

STN E03 DEPTH 0558 LAT 49 6.1 LONG 127 8.2
APR/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.5
5.5
33.0
34.0

STN E03 DEPTH 0558 LAT 49 6.1 LONG 127 8.2
MAY/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
285DEG
75
0
-75
315DEG
75
0
-75
TEMP C
3.5
5.5
SAL 0/00
33.0
34.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0558 ESTEVAN POINT 49 06.1 N 127 08.2 W Length of record=101 Days
Start of record 0 mn 16 hr 22 dy 1 mo 88 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	038	075	015		001																					121
10- 19	044	055	003	001																						103
20- 29	040	033	003	001																						77
30- 39	034	045	003																							82
40- 49	039	031	006																							76
50- 59	043	034	001																							78
60- 69	025	034	003	001																						63
70- 79	024	031	007																							62
80- 89	031	023	007	001																						62
90- 99	035	037	009	006	002																					89
100-109	027	039	019	015	006																					106
110-119	015	060	034	039	009																					157
120-129	031	060	046	020	000																					173
130-139	030	075	046	035	018																					204
140-149	042	067	037	037	006	005																				194
150-159	030	081	051	036	011	003																				212
160-169	036	056	037	025	009																					163
170-179	030	056	049	031	006																					172
180-189	026	050	042	018	001																					129
190-199	031	049	036	007																						123
200-209	044	037	023	007																						111
210-219	047	047	008	009																						111
220-229	040	051	012	004																						107
230-239	037	037	002	003																						79
240-249	044	046	003																							93
250-259	031	030	004	001																						66
260-269	050	048	003																							101
270-279	045	055	004	001																						105
280-289	061	058	010	001																						130
290-299	063	098	008	002																						171
300-309	054	116	041	011																						222
310-319	066	131	049	016	001																					263
320-329	041	116	049	017	003																					226
330-339	039	127	060	018																						252
340-349	055	107	046	010																						218
350-359	037	071	029	004	001																					142
	2166		377		8		0		0		0		0		0		0		0		0		0		0	4843
	1485		813		74		0		0		0		0		0		0		0		0		0		0	

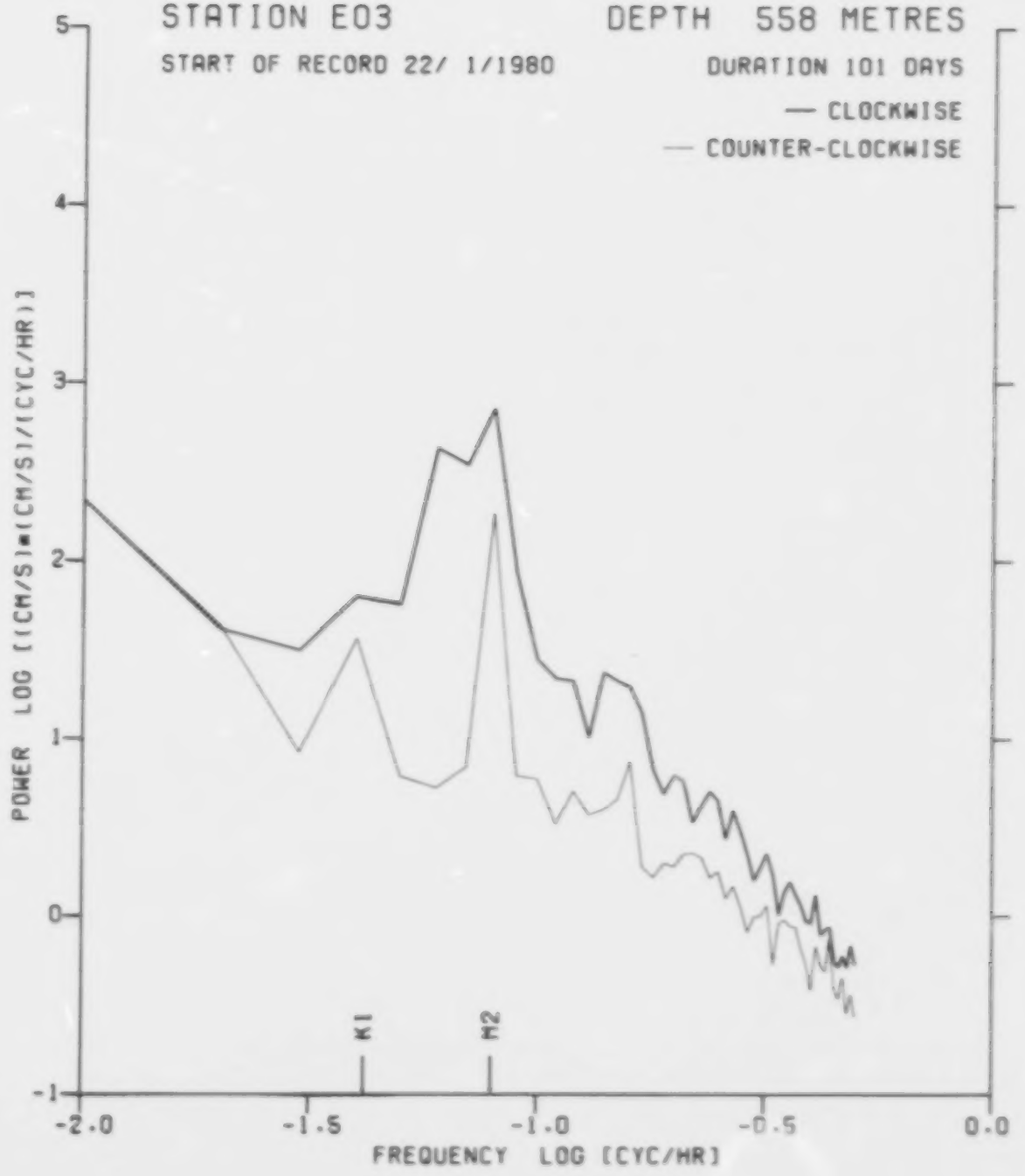
Number of zero rates: 0

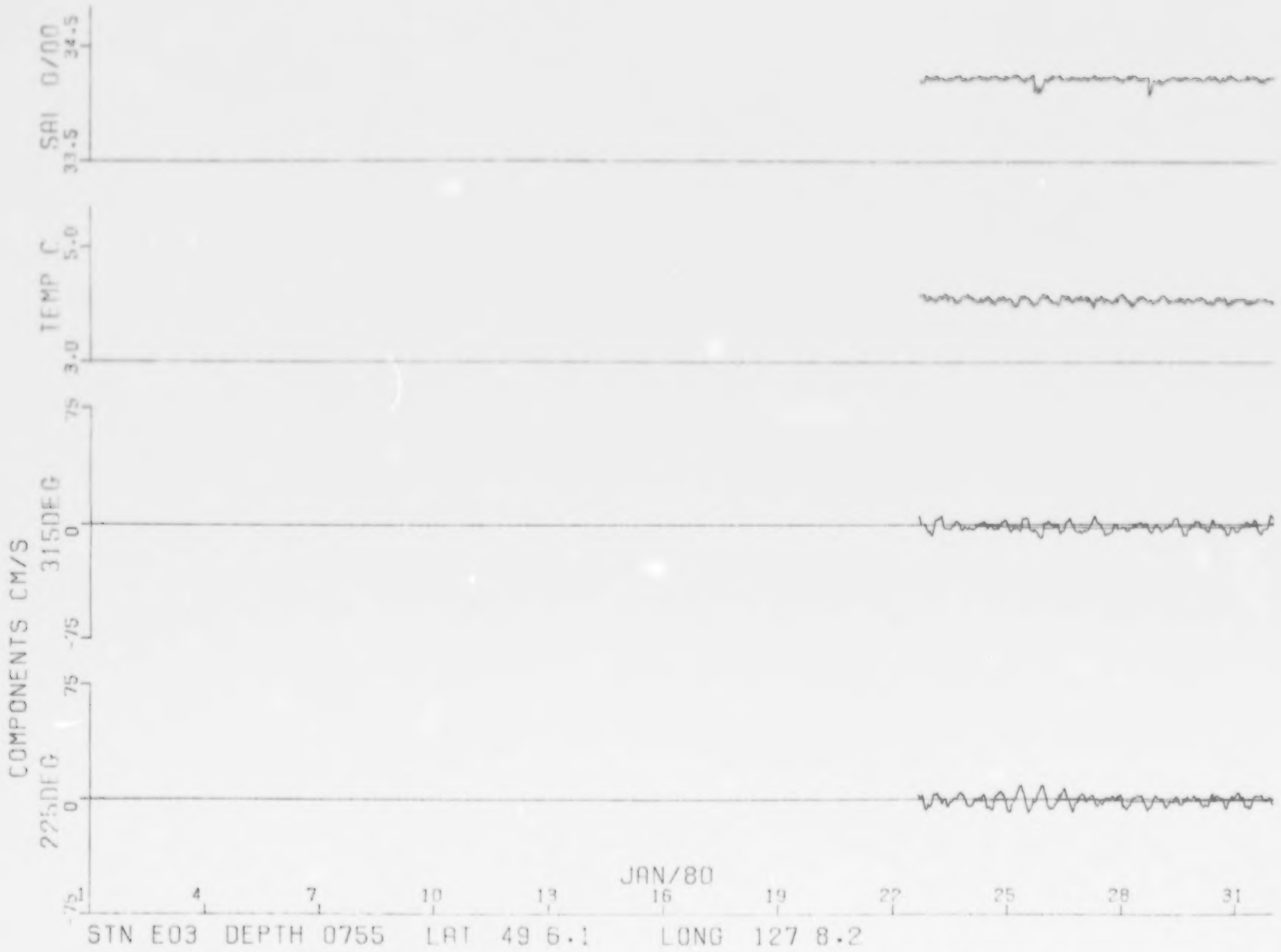
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

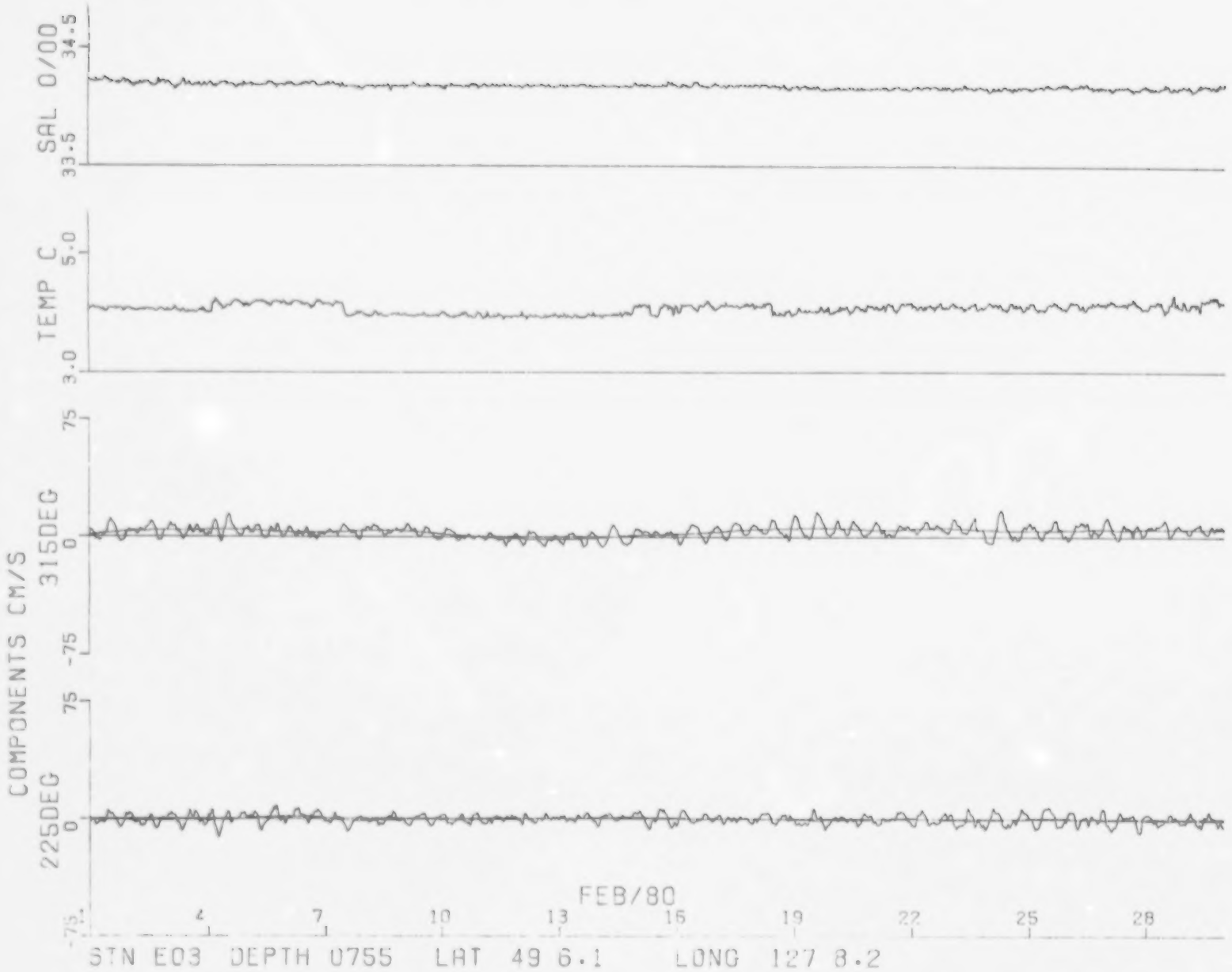
□ODD NUMBERED DAYS
●EVEN NUMBERED DAYS

SIN DEPTH	AREA	DAY/YR	NO DAYS
E03 0E53M	8600	22 /80	101

SCALE 50 KM


STATION E03
DEPTH 558 METRES
START OF RECORD 22/ 1/1980
DURATION 101 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
34.5
33.5
TEMP C
5.0
3.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
JAN/80
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0755 LAT 49 6.1 LONG 127 8.2


SAL 0/00
34.5
33.5
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
4
7
10
13
16
19
22
25
28
STN E03 DEPTH 0755 LAT 49 6.1 LONG 127 8.2

STN E03 DEPTH 0755 LAT 49 5.1 LONG 127 8.2
MAR/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
33.5
34.5

STN E03 DEPTH 0755 LAT 49 6.1 LONG 127 8.2
APR/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
33.5
34.5

SAL O/OO
34.5
33.5
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
10
13
16
19
22
25
28
31
STN E03 DEP 0755 LAT 49 6.1 LONG 127 8.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0755 ESTEVAN POINT 49 06.1 N 127 08.2 W Length of record=101 Days
Start of record 0 mn 16 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	064	053	002																							119
10- 19	064	034	002																							100
20- 29	058	027	001																							86
30- 39	064	027	002																							93
40- 49	040	027	002																							69
50- 59	056	035																								91
60- 69	069	038	003																							110
70- 79	060	040	005																							105
80- 89	072	055	008																							135
90- 99	066	069	010	001																						146
100-109	057	050	014	009																						130
110-119	067	056	023	004	001																					151
120-129	084	066	019		003																					172
130-139	086	056	026	012	002																					182
140-149	084	048	019	013	006																					170
150-159	088	057	011	012	006	004																				178
160-169	073	044	010	010	004	002																				143
170-179	062	036	010	005	001																					114
180-189	056	032	010	007																						105
190-199	058	037	004	002																						101
200-209	049	026		001																						76
210-219	040	034	005																							79
220-229	066	035	001																							102
230-239	066	037																								103
240-249	067	031	004																							102
250-259	076	039	004																							119
260-269	093	047	006																							146
270-279	088	057	005	001																						151
280-289	081	078	003																							162
290-299	085	066	015																							166
300-309	081	078	019	003																						181
310-319	100	076	018	003																						197
320-329	088	090	025	002																						205
330-339	103	096	016	001																						216
340-349	097	086	005																							188
350-359	078	068	004																							150
	1831		86		6		0		0		0		0		0		0		0		0		0		0	4843
	2586		311		23		0		0		0		0		0		0		0		0		0		0	

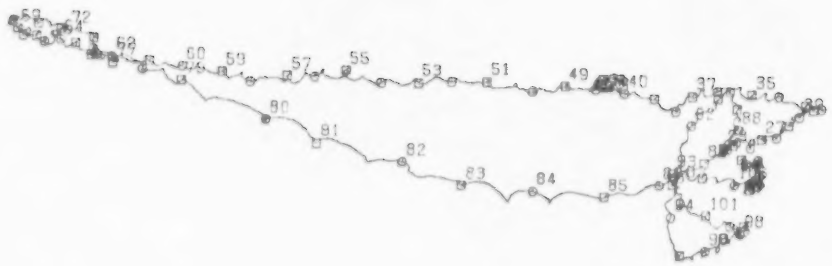
Number of zero rates: 0

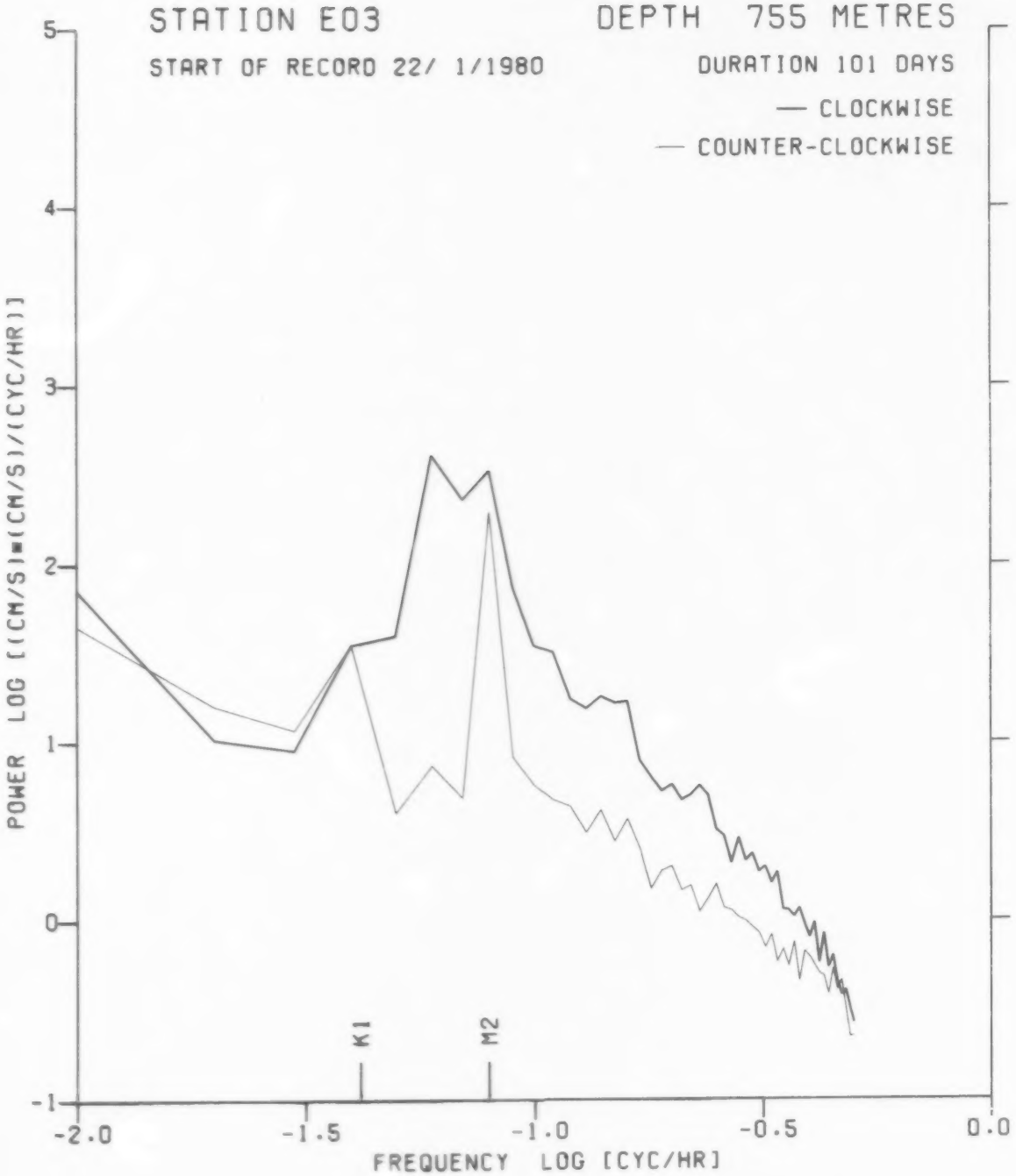
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
●EVEN NUMBERED DAYS

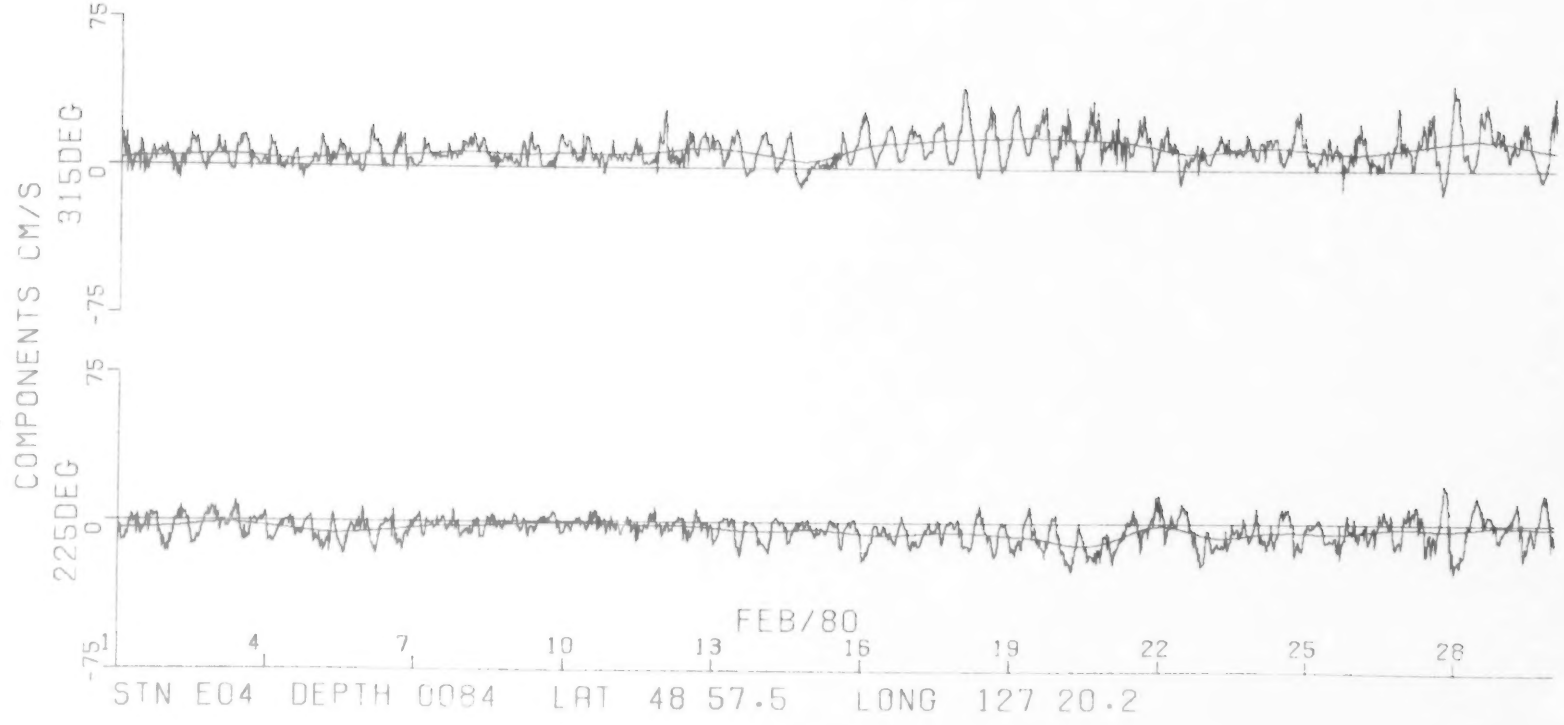
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0755M	8500	22 /80	101

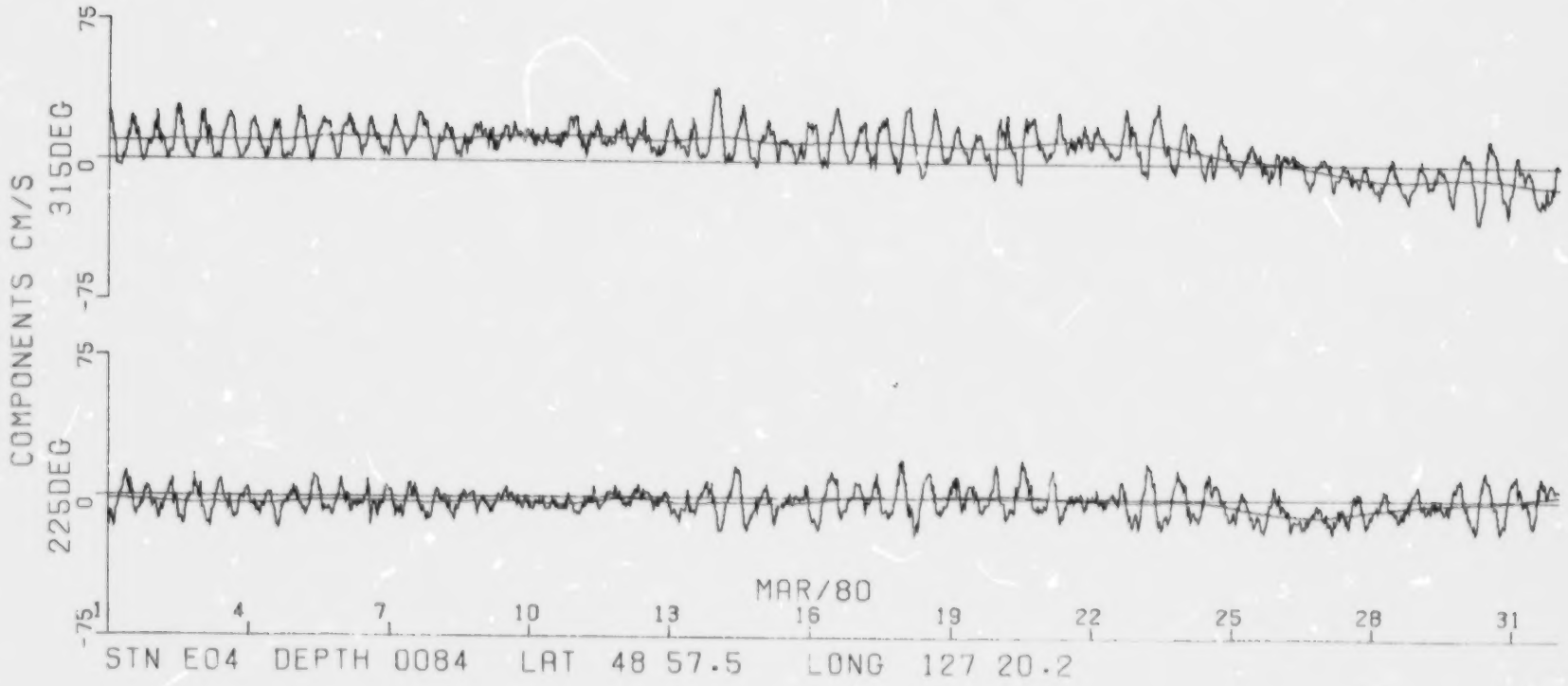
SCALE
25 KM

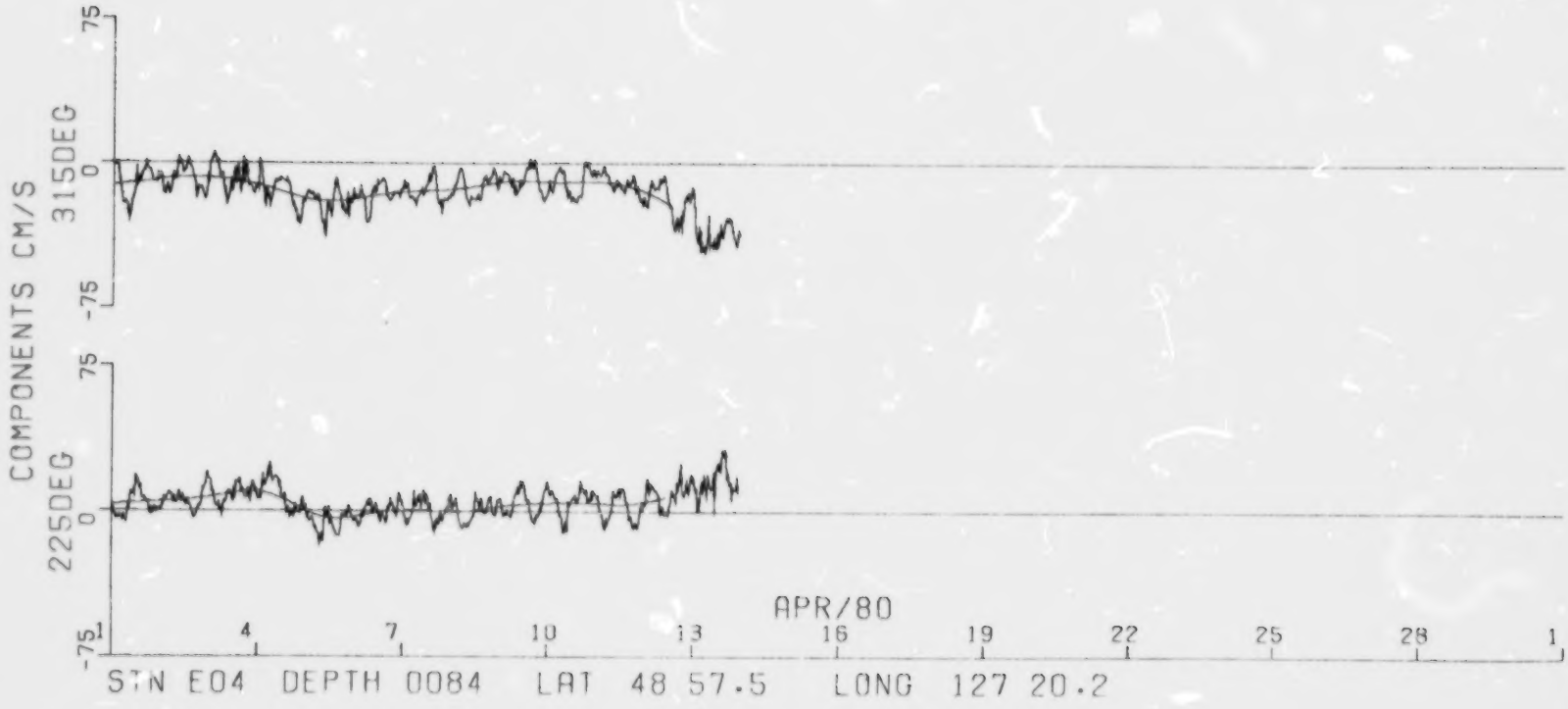



STATION E03
DEPTH 755 METRES
START OF RECORD 22/ 1/1980
DURATION 101 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E04 DEPTH 0084 LAT 48 57.5 LONG 127 20.2
JAN/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN E04 DEPTH 0084 LAT 48 57.5 LONG 127 20.2


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0084 LAT 48 57.5 LONG 127 20.2


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 0084 LAT 48 57.5 LONG 127 20.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0084 ESTEVAN POINT 48 57.5 N 127 28.2 W Length of record= 79 Days
Start of record 30 mn 10 hr 26 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	020	045	054	043	014	003																				179
10- 19	018	045	039	026	003	001																				132
20- 29	019	031	028	013	005																					96
30- 39	015	029	024	007	003																					78
40- 49	018	024	019	007																						68
50- 59	017	012	018	002																						49
60- 69	006	022	009	005																						42
70- 79	014	022	007	007																						50
80- 89	013	012	016	006	004																					51
90- 99	017	011	009	013	007	001																				58
100-109	012	011	012	012	006	001	001	001																		56
110-119	006	018	011	026	005	001	003	001																		71
120-129	004	014	024	029	011	003	001	001																		87
130-139	010	010	019	023	016	010	005		001																	94
140-149	011	013	010	020	013	007	004	003	002	004																87
150-159	009	013	017	023	015		003	005	008	004																97
160-169	008	011	012	025	007	001	004	003	002	004																77
170-179	006	013	027	023	009	001	002		003	001																85
180-189	010	021	010	016	008	001	002		001																	69
190-199	007	014	006	012	003																					42
200-209	006	011	007	005																						29
210-219	005	014	006	002																						27
220-229	007	014	005	005																						31
230-239	010	009	004	006																						29
240-249	016	015	008	002	001																					42
250-259	013	022	015	002	002																					54
260-269	020	017	007	006	003	001																				54
270-279	025	026	014	010	010																					85
280-289	028	024	021	020	009	002	001																			105
290-299	021	038	029	014	016	007	002																			127
300-309	024	042	056	040	020	006	005																			193
310-319	036	056	057	048	028	017	001	002	002																	247
320-329	040	062	071	069	047	015	006	003	002																	315
330-339	031	056	073	067	047	016	014	004	001																	309
340-349	030	058	074	072	035	014	005	003	003																	294
350-359	025	055	066	069	025	015	004																			259
	910		775		123		26		13		0		0		0		0		0		0		0		0	3768
	577		884		372		63		25		0		0		0		0		0		0		0		0	

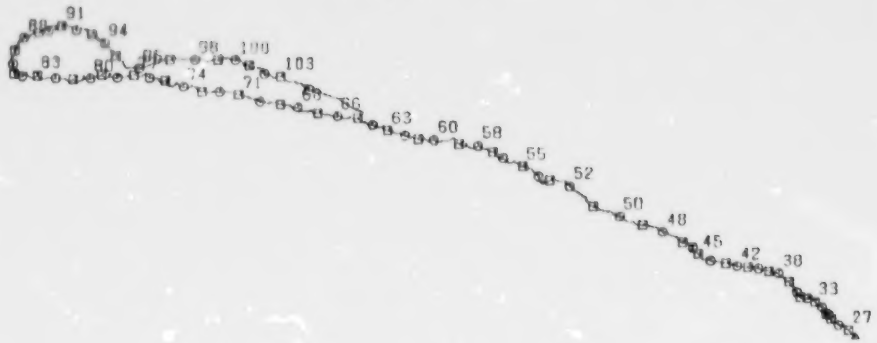
Number of zero rates: 1

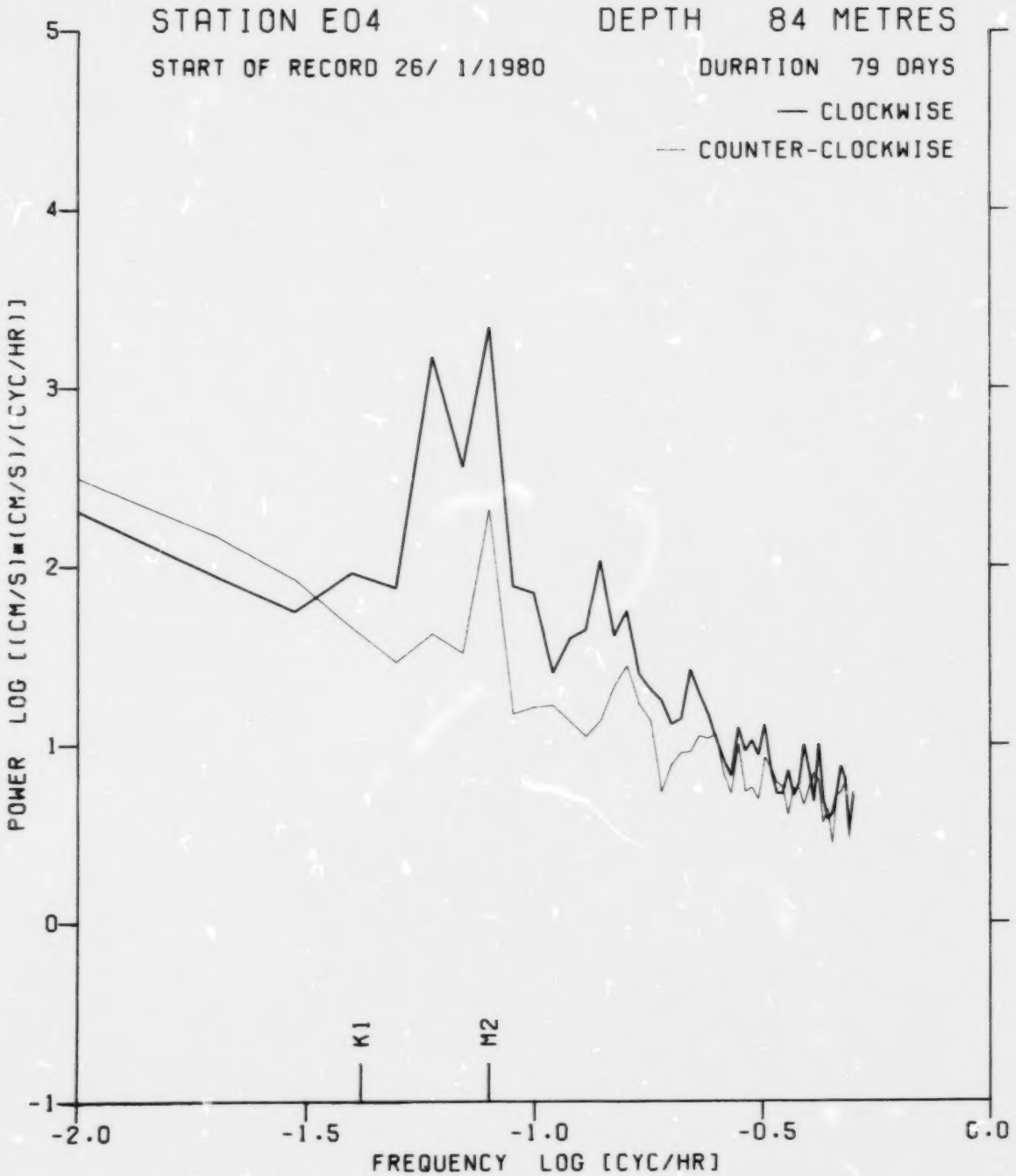
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

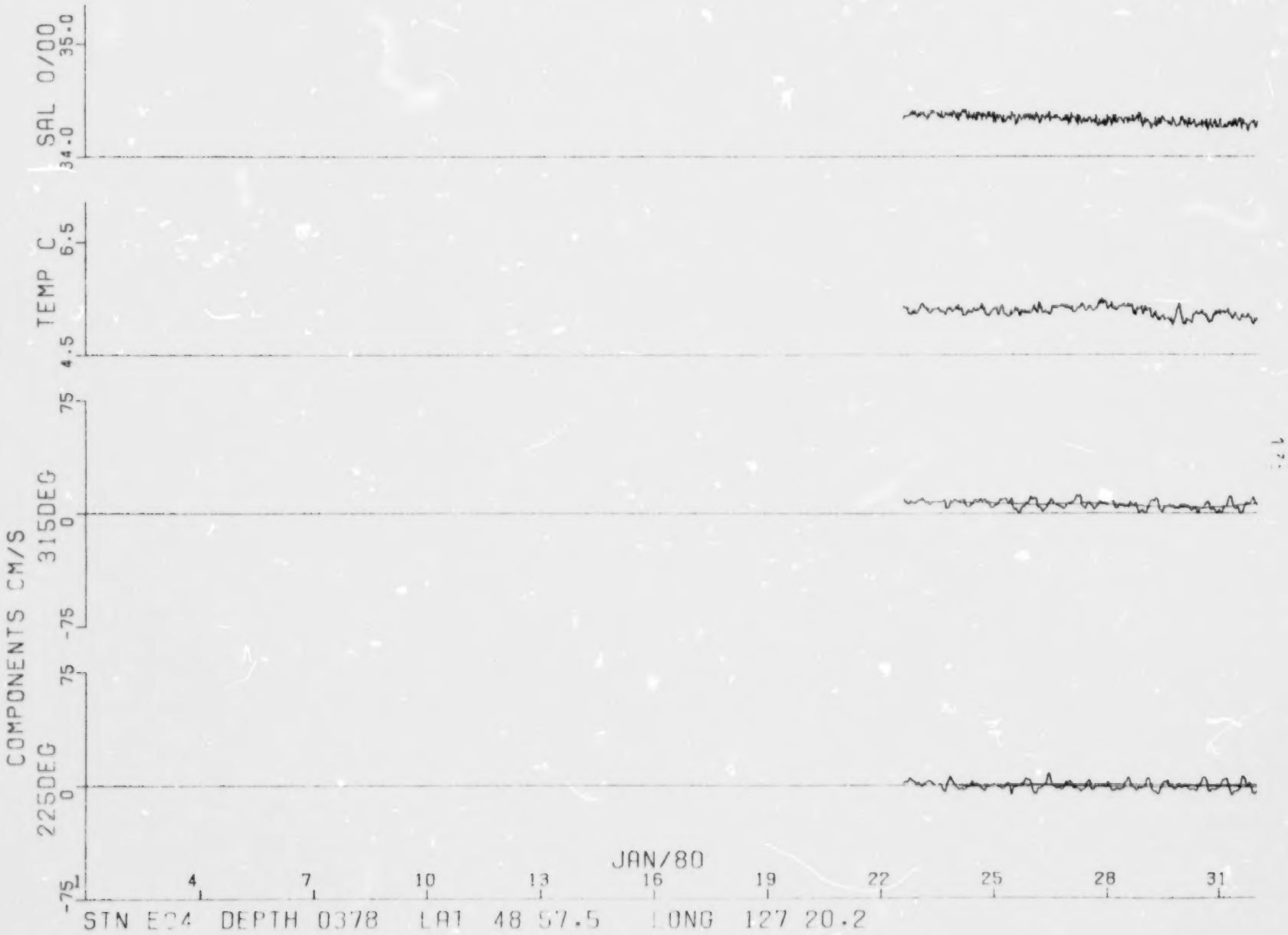
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

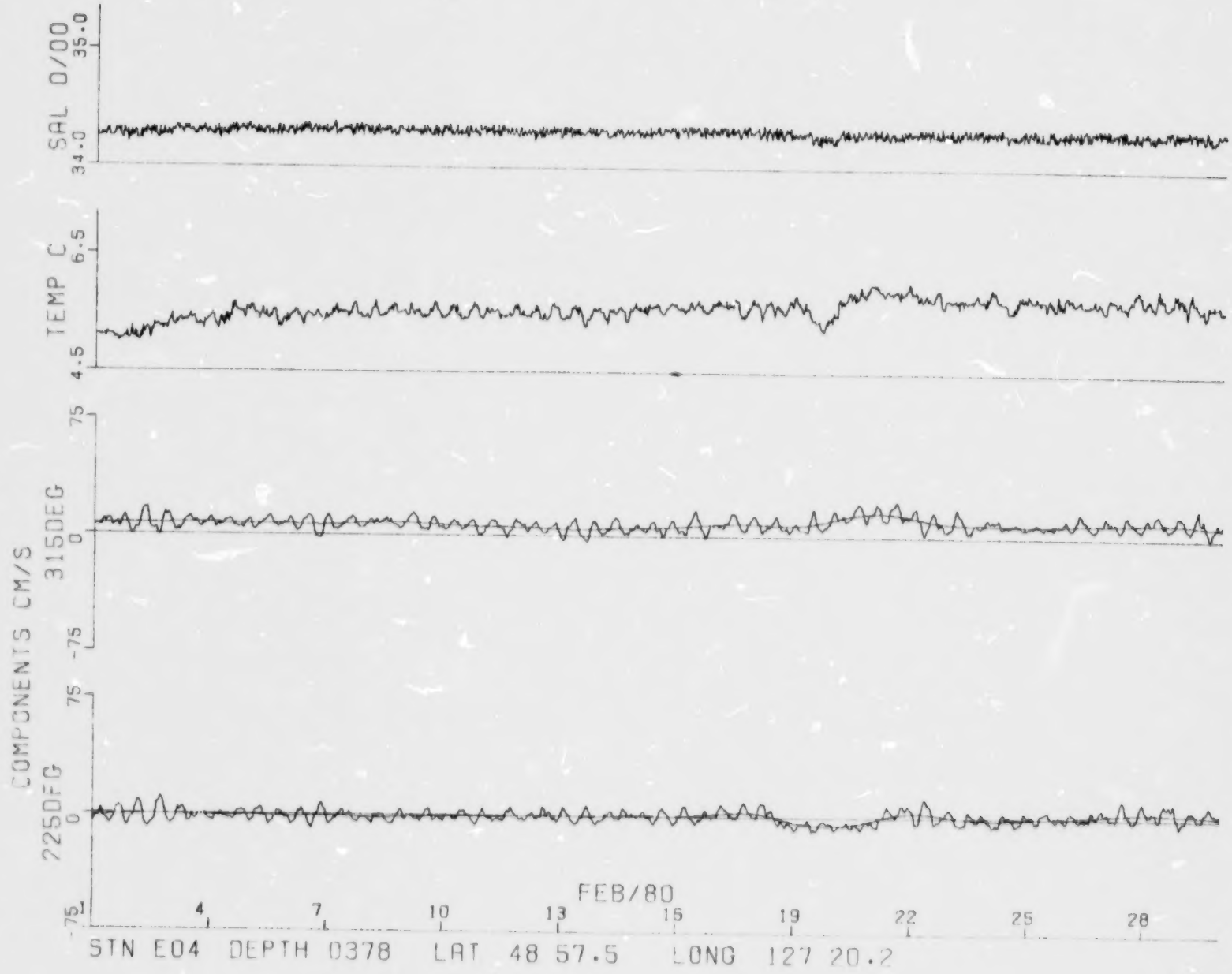
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0084M	8600	26 /80	79

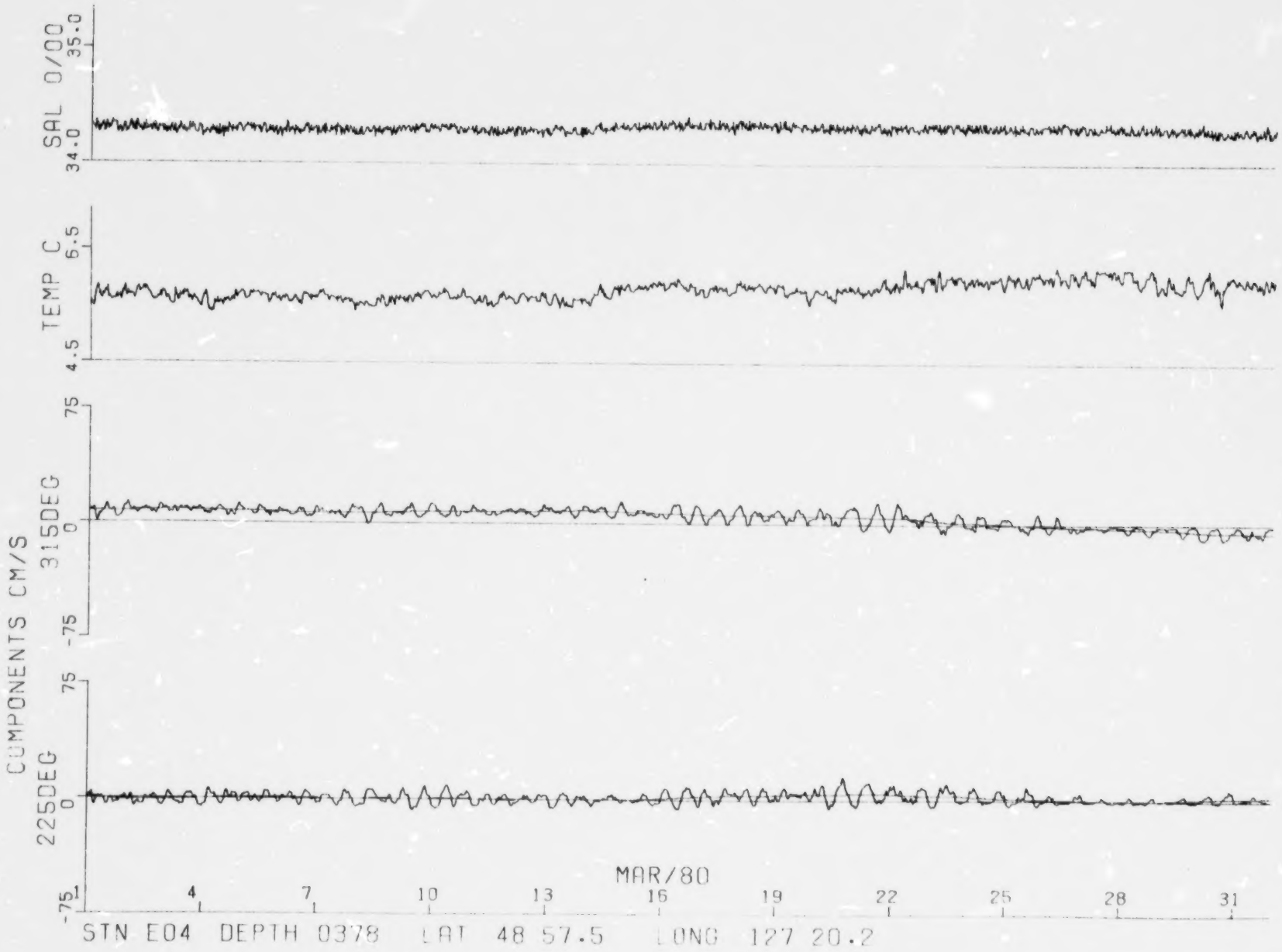
SCALE
100 KM

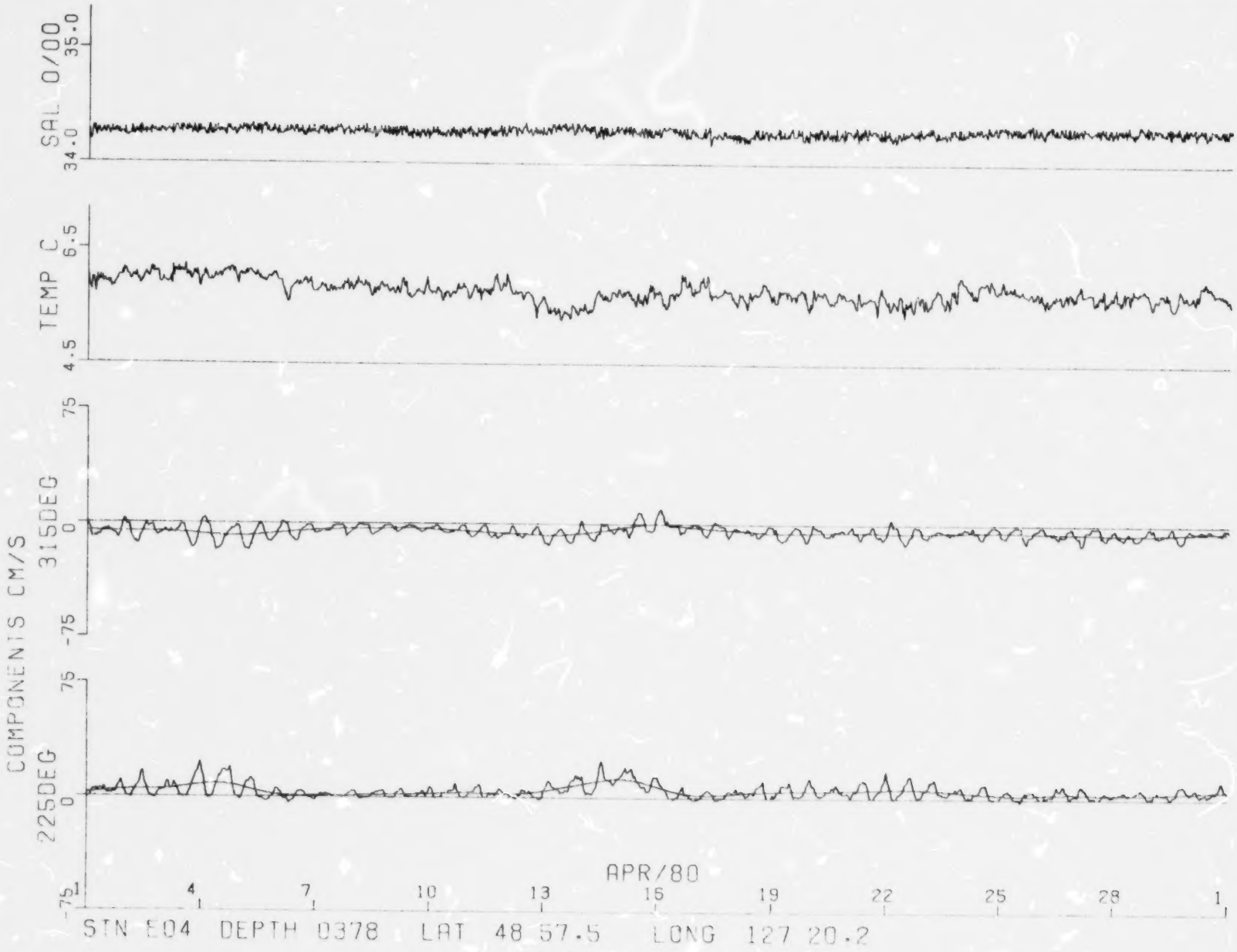



STATION E04
DEPTH 84 METRES
START OF RECORD 26/ 1/1980
DURATION 79 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
34.0
TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
22
25
28
31
STN EC4 DEPTH 0378 LAT 48 57.5 LONG 127 20.2


SAL O/OO
35.0
34.0
TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
4
7
10
13
16
19
22
25
28
STN E04 DEPTH 0378 LAT 48 57.5 LONG 127 20.2


SAL 0/00
35.0
34.0
TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0378 LAT 48 57.5 LONG 127 20.2


SAL O/OO
35.0
34.0
TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 0378 LAT 48 57.5 LONG 127 20.2

STN E04 DEPTH 0378 LAT 48 57.5 LONG 127 20.2
MAY/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
4.5
6.5
34.0
35.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0378 ESTEVAN POINT 48 57.5 N 127 20.2 W Length of record=101 Days
Start of record 30 mn 14 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	027	044	005																							76
10- 19	024	014																								38
20- 29	015	003																								18
30- 39	015																									15
40- 49	008																									8
50- 59	012																									12
60- 69	011																									11
70- 79	006																									6
80- 89	018																									18
90- 99	029																									29
100-109	038	003																								41
110-119	069	007	002																							78
120-129	081	020	007																							108
130-139	082	031	009																							122
140-149	086	090	011																							187
150-159	066	163	040	008																						277
160-169	069	145	038	013	002																					267
170-179	063	117	036	011	004																					231
180-189	031	112	034	005	002																					184
190-199	018	062	041	010	003																					134
200-209	009	024	028	014																						75
210-219	007	024	019	014	002																					66
220-229	002	023	009	003	006																					43
230-239	005	033	011	002																						51
240-249	008	034	009	001																						52
250-259	012	048	015	003																						78
260-269	014	057	034	001																						106
270-279	018	079	027	005																						129
280-289	022	118	024	009																						173
290-299	022	109	061	010	001																					283
300-309	036	205	071	017	004																					340
310-319	058	270	106	010	005																					421
320-329	027	264	084	019	006																					400
330-339	037	214	110	017	007																					385
340-349	031	137	050	006																						224
350-359	048	093	013																							154
	1096	2623	901	178	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4840

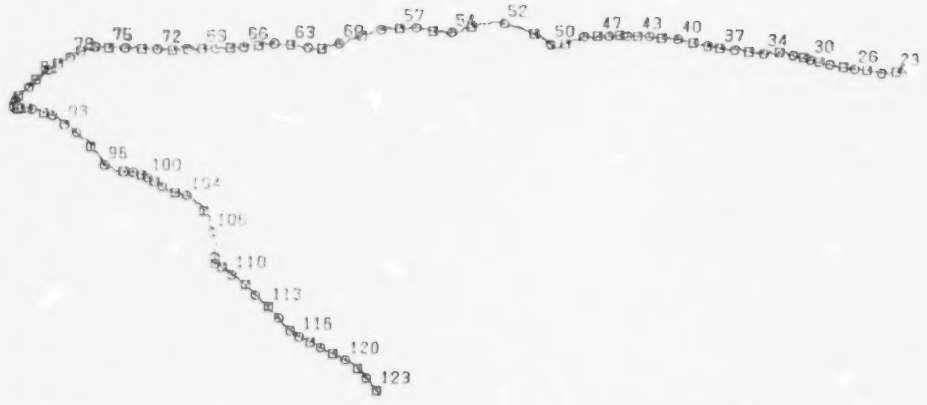
Number of zero rates: 0

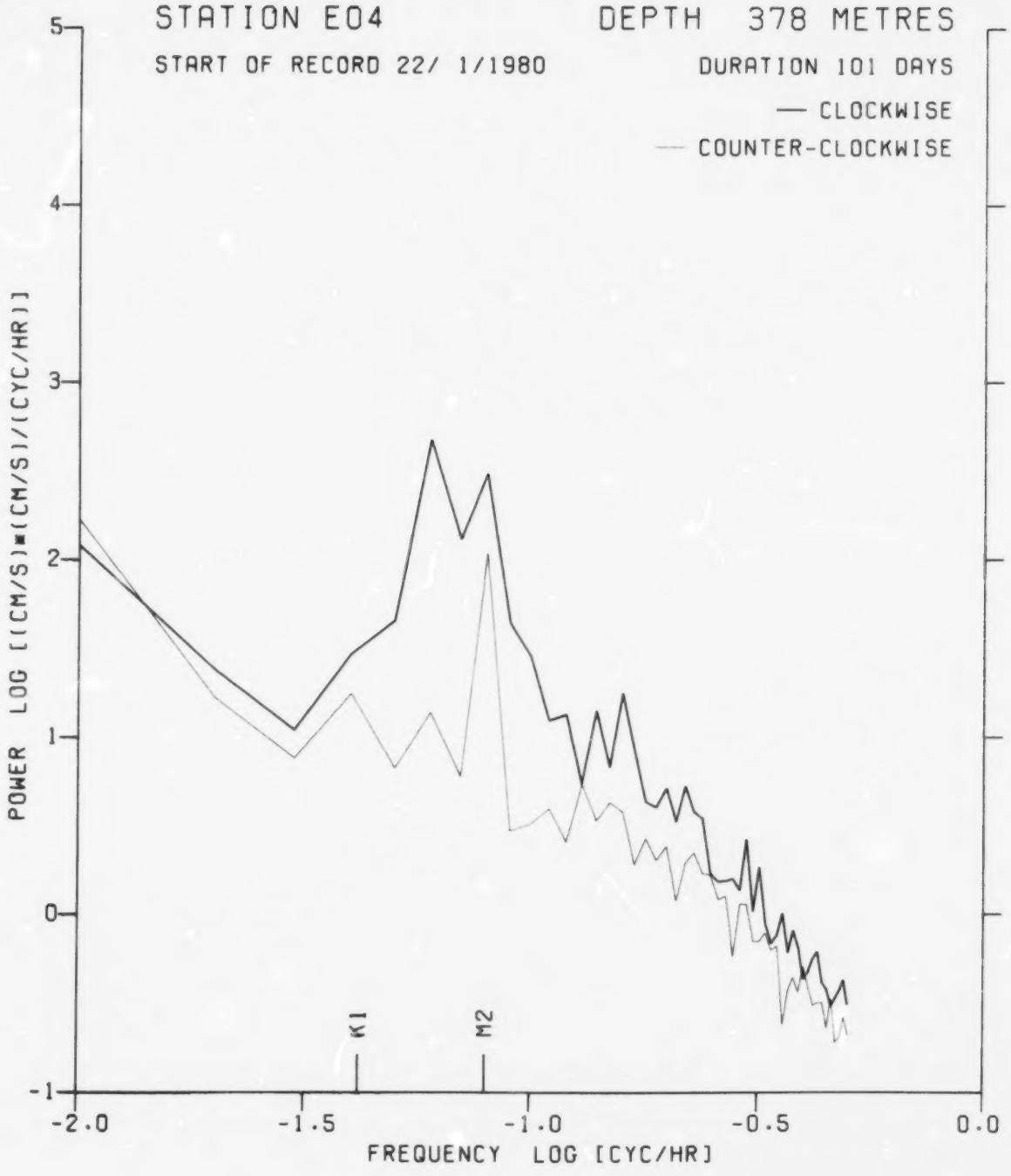
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

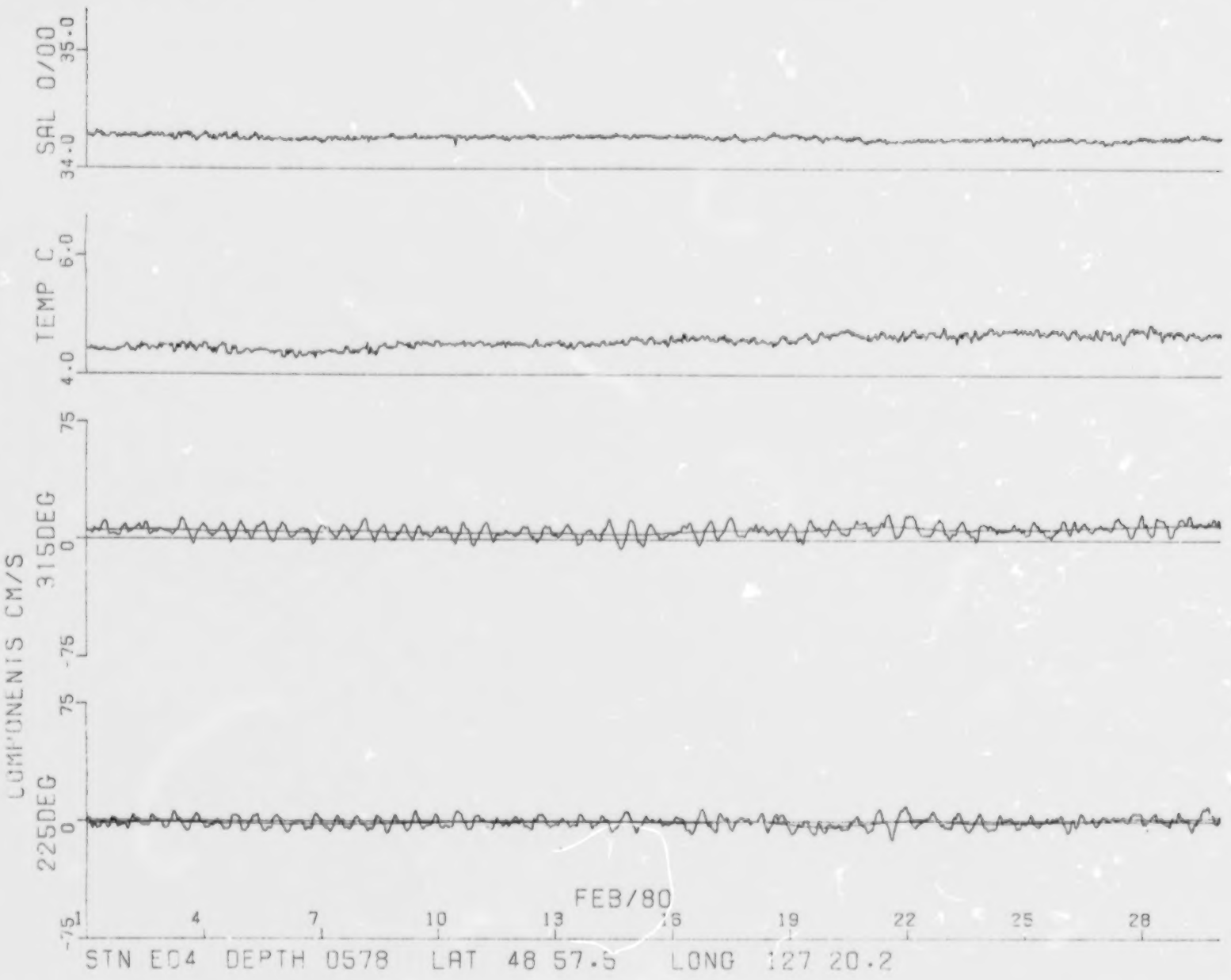
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0378M	8600	22 /80	101

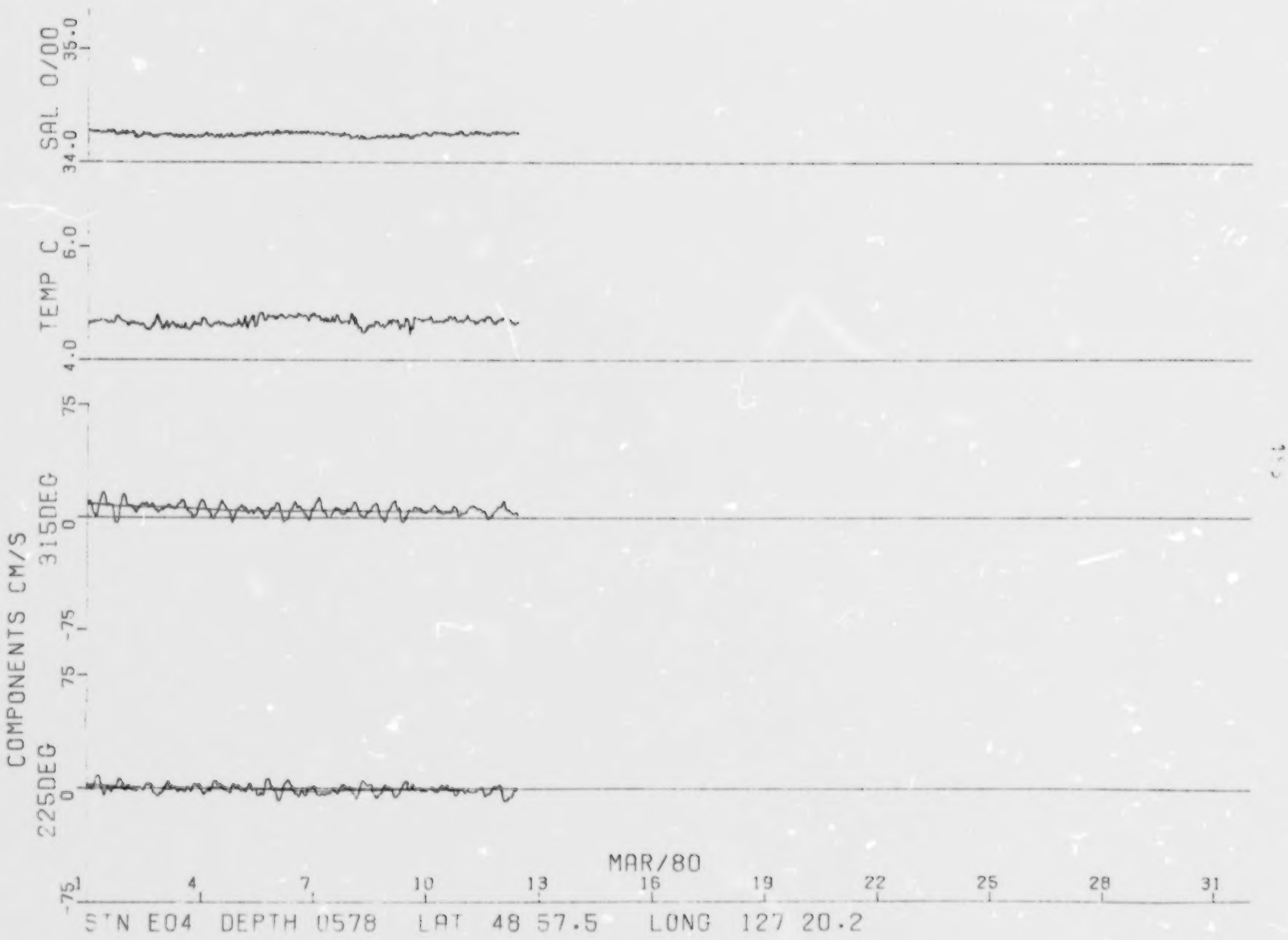
SCALE 100 KM




STATION E04
DEPTH 378 METRES
START OF RECORD 22/ 1/1980
DURATION 101 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

SIN E04 DEPTH 0578 LAT 48 57.5 LONG 127 20.2
JAN/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
4.0
6.0
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN EC4 DEPTH 0578 LAT 48 57.5 LONG 127 20.2


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0578 LAT 48 57.5 LONG 127 20.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

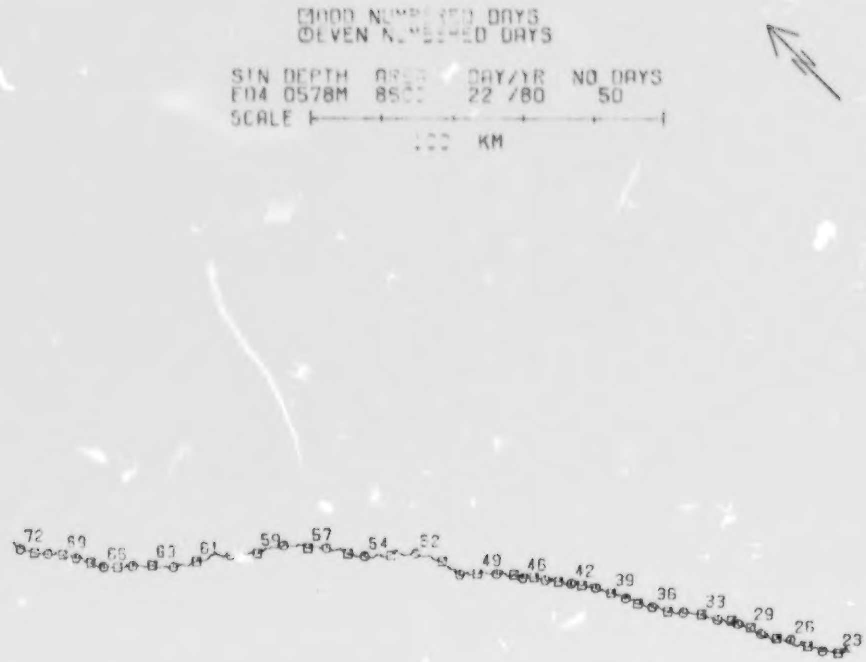
Stn E04 Depth 0570 ESTEVAN POINT 48 57.5 N 127 28.2 W Length of record= 50 Days
Start of record 30 mn 14 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

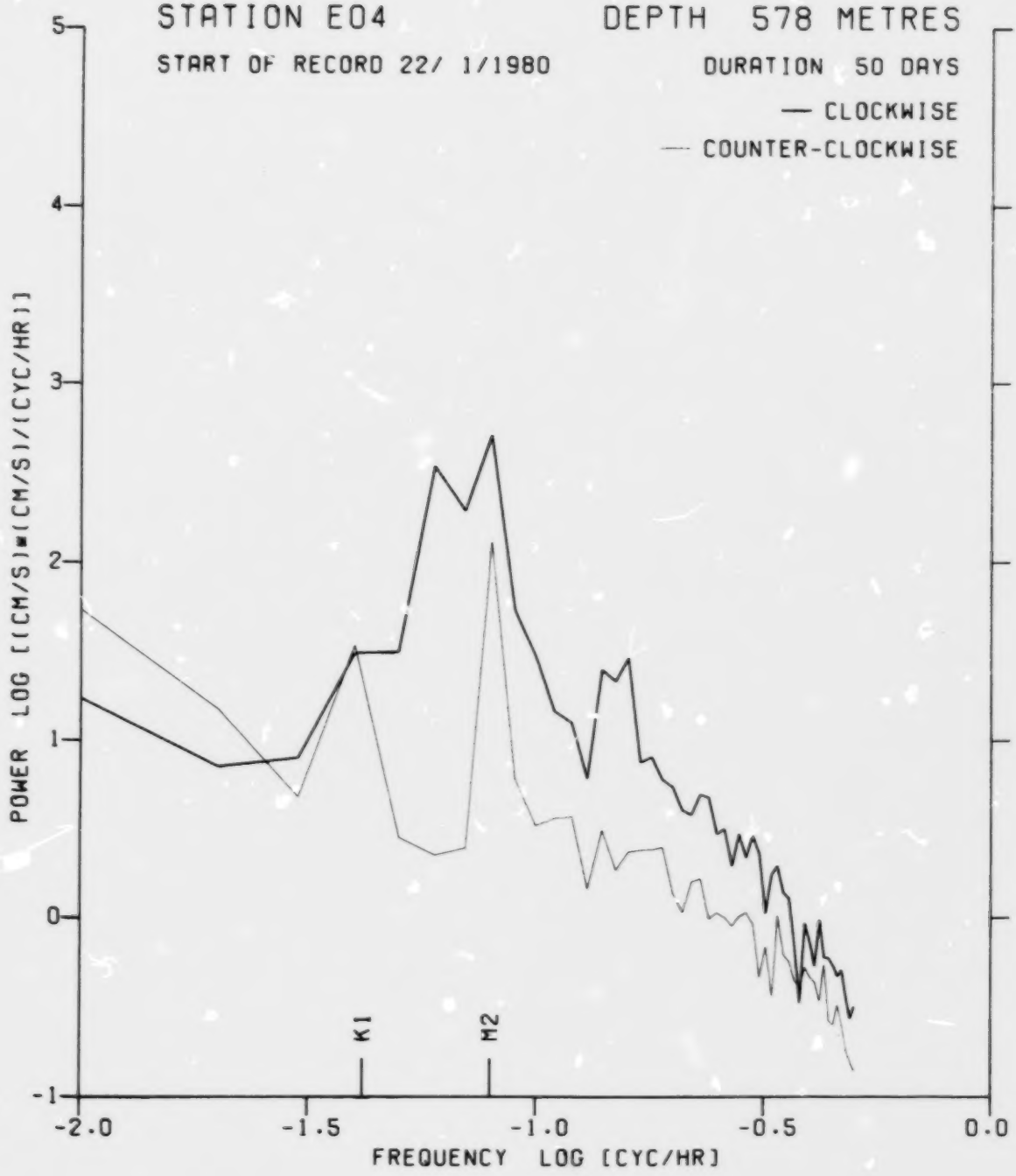
CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	029	077	010	002																						118
10- 19	040	045	007																							92
20- 29	022	015	002																							39
30- 39	013	009	002																							24
40- 49	024	003																								27
50- 59	014	001																								15
60- 69	008	001																								9
70- 79	015																									15
80- 89	004																									4
90- 99	005	001																								6
100-109	007																									7
110-119	004	001																								5
120-129	005																									5
130-139	003																									3
140-149	008	001																								9
150-159	010	002																								12
160-169	004	001																								5
170-179	015	001																								16
180-189	009																									9
190-199	012	005																								17
200-209	009	004																								13
210-219	016	003																								19
220-229	021	007																								28
230-239	017	007																								24
240-249	016	018																								34
250-259	022	020																								42
260-269	020	027	004																							51
270-279	033	033	012	002																						80
280-289	041	056	021	002																						120
290-299	038	087	020	005																						150
300-309	047	138	049	005																						239
310-319	053	144	050	003																						250
320-329	050	148	061	009																						268
330-339	052	134	059	005																						250
340-349	039	126	043	004																						212
350-359	043	100	030	002																						175
	1215	768	39	370	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2392

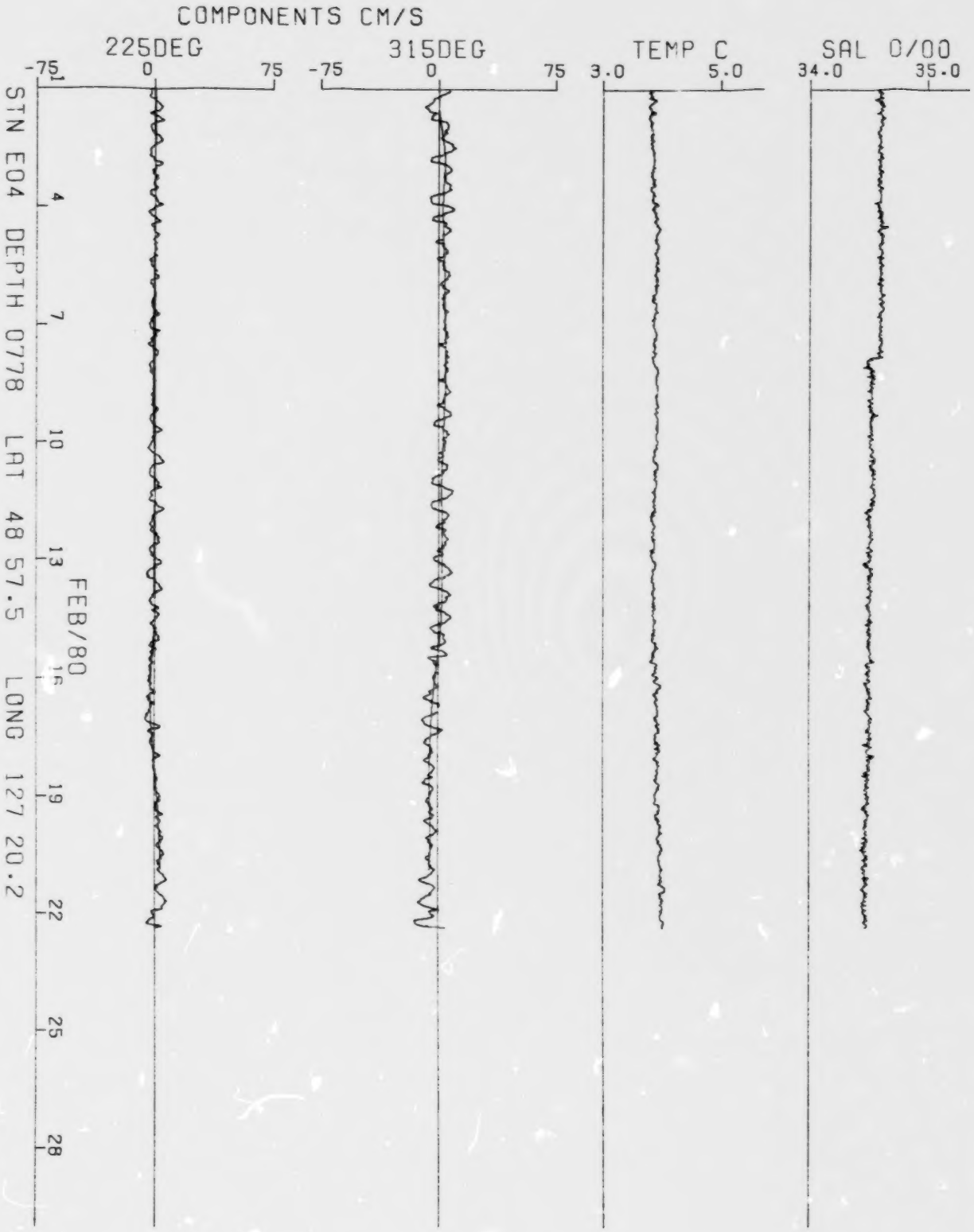
Number of zero rates: 0

ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM




STATION E04
DEPTH 578 METRES
START OF RECORD 22/ 1/1980
DURATION 50 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E04 DEPTH 0778 LAT 48 57.5 LONG 127 20.2
JAN/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
3.0
5.0
34.0
35.0


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN E04 DEPTH 0778 LAT 48 57.5 LONG 127 20.2
FEB/80
4
7
10
13
16
19
22
25
28

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0778 ESTEVAN POINT 48 57.5 N 127 20.2 W Length of record= 31 Days
Start of record 30 mn 14 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	015	010																								25
10- 19	023	005																								28
20- 29	010	006																								16
30- 39	014	001																								15
40- 49	020																									20
50- 59	020	001																								21
60- 69	019	003																								22
70- 79	021	002																								23
80- 89	018	003																								21
90- 99	018	005																								23
100-109	013	011	007																							31
110-119	027	024	001	003																						55
120-129	032	012	003	001																						48
130-139	032	021																								53
140-149	061	041	001																							103
150-159	044	039																								83
160-169	017	048	015	001																						81
170-179	010	027	003																							40
180-189	006	013																								19
190-199	005	002																								7
200-209	008	006																								14
210-219	008																									8
220-229	008	005																								13
230-239	005	003																								8
240-249	003	002																								5
250-259	010	002																								12
260-269	005	005																								10
270-279	010	010																								20
280-289	016	023																								39
290-299	021	031	001																							53
300-309	031	038																								69
310-319	026	055	001																							82
320-329	043	062	002																							107
330-339	039	056	006																							101
340-349	056	065	003																							124
350-359	036	041																								77
	678		5		0		0		0		0		0		0		0		0		0		0		0	1476
	750	43		0		0		0		0		0		0		0		0		0		0		0		

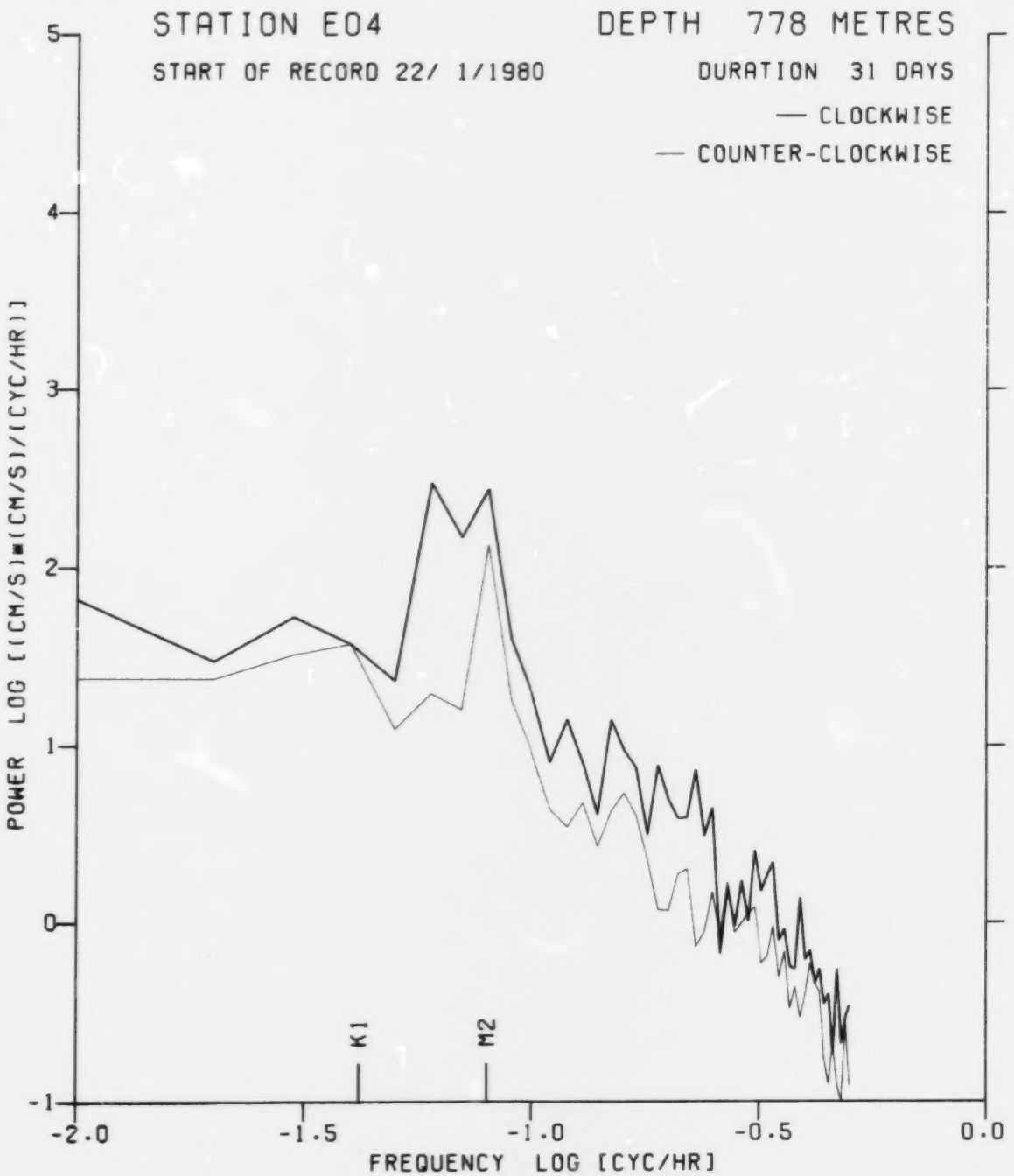
Number of zero rates: 0

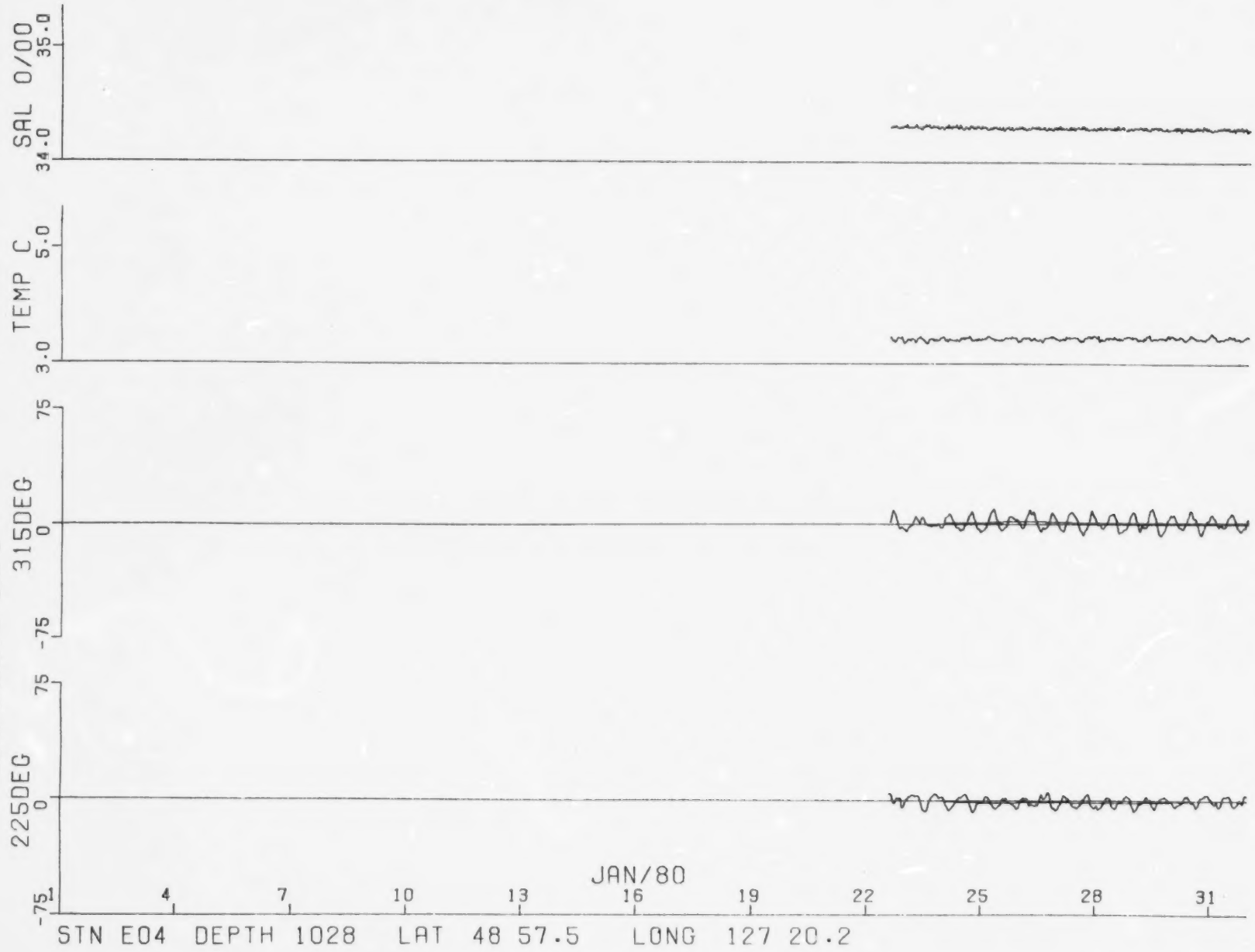
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

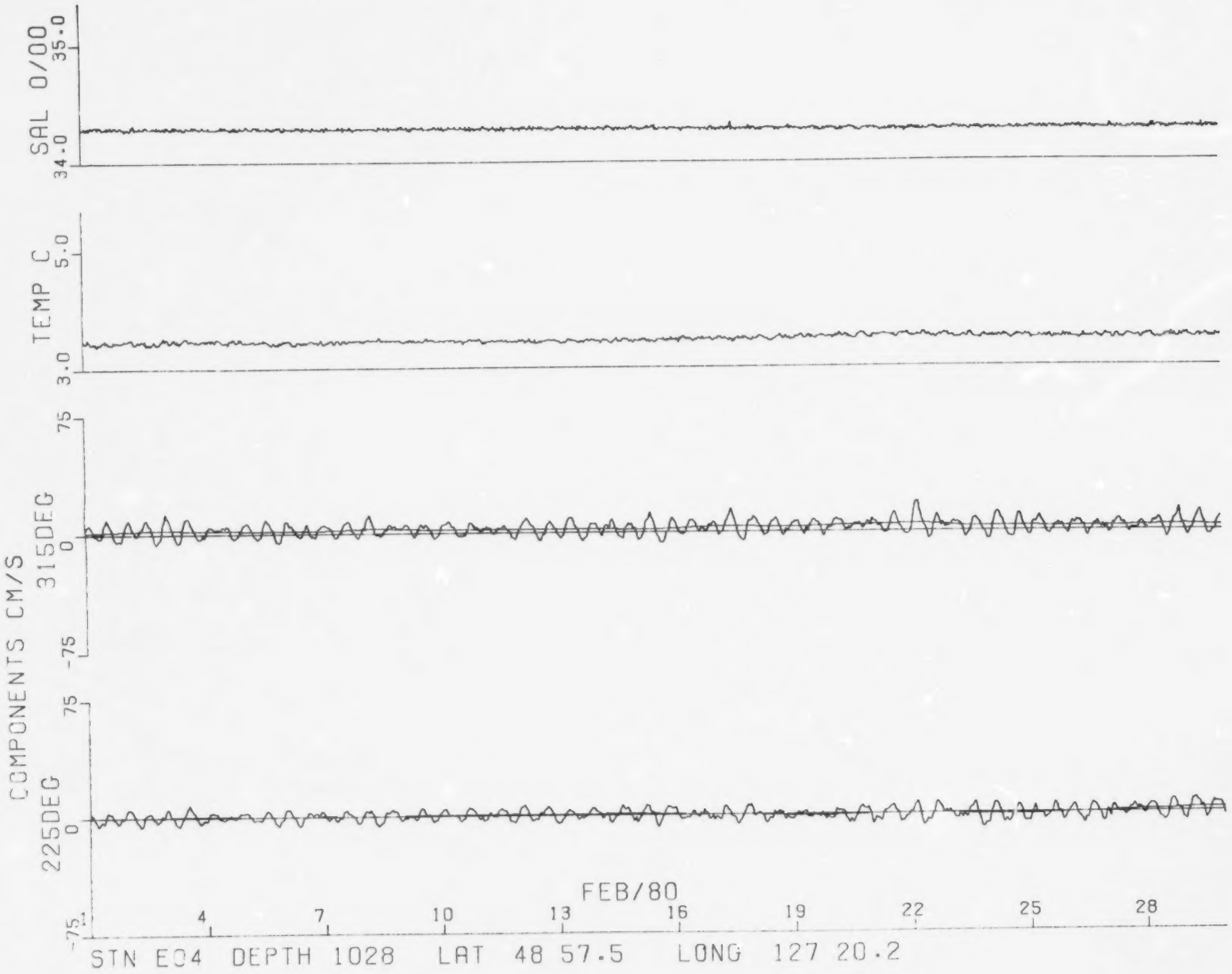
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

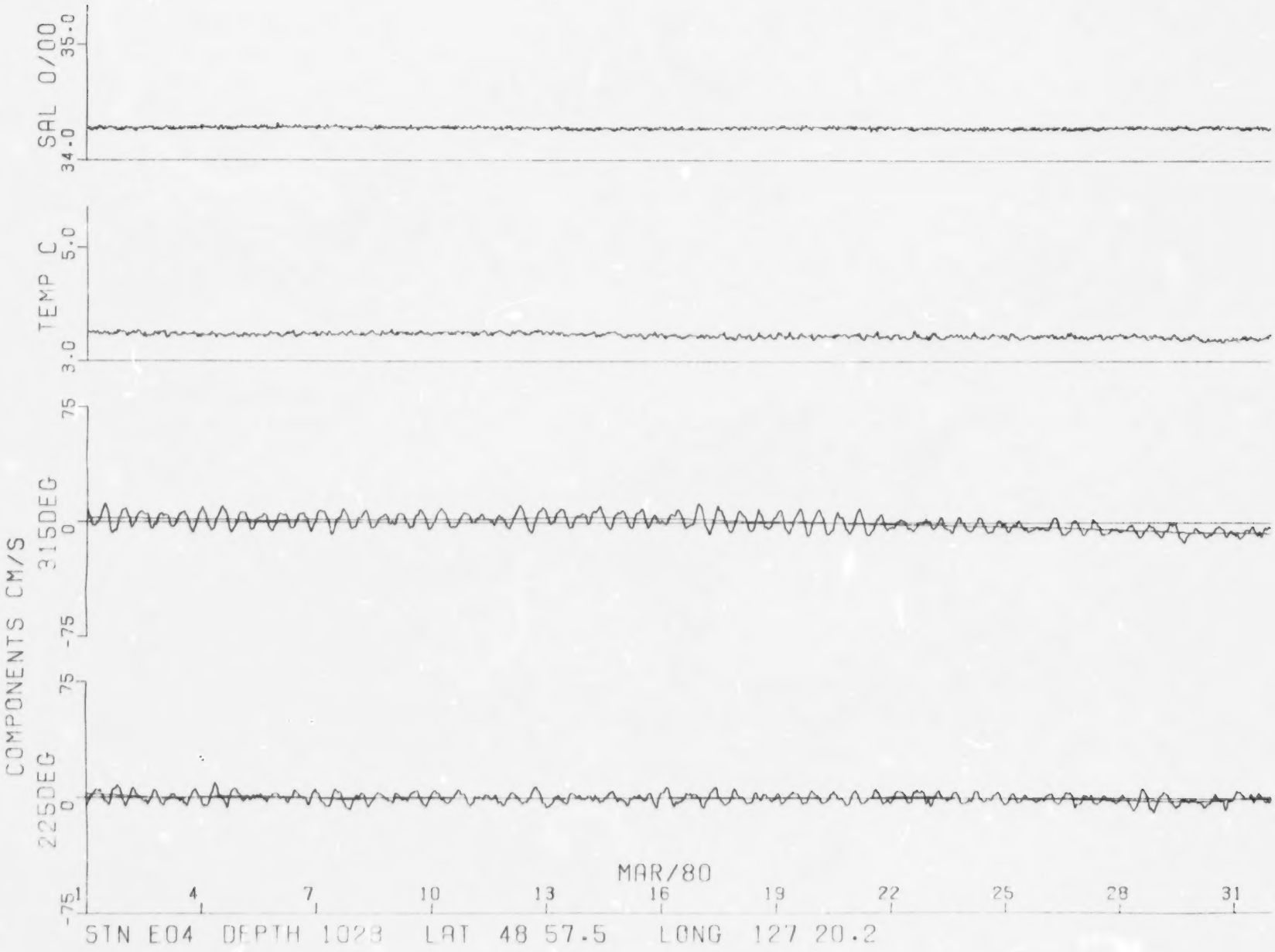
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0778M	8600	22 /80	31

SCALE |—+—+—+—+—| 10 KM


STATION E04
DEPTH 778 METRES
START OF RECORD 22/ 1/1980
DURATION 31 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
JAN/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1028 LAT 48 57.5 LONG 127 20.2


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
4
7
10
13
16
19
22
25
28
STN EO4 DEPTH 1028 LAT 48 57.5 LONG 127 20.2


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1028 LAT 48 57.5 LONG 127 20.2

SAL 0/00
34.0
35.0
TEMP C
3.0
5.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
STN EC4 DEPTH 1028 LAT 48 57.5 LONG 127 20.2

STN E04 DEPTH 1028 LAT 48 57.5 LONG 127 20.2
MAY/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
3.0
5.0
SAL 0/00
34.0
35.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 1028 ESTEVAN POINT 48 57.5 N 127 28.2 W Length of record=101 Days
Start of record 38 mn 14 hr 22 dy 1 mo 88 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	054	051	002																							107
10- 19	045	030	001																							76
20- 29	048	037																								85
30- 39	050	016																								66
40- 49	044	024																								68
50- 59	061	022																								83
60- 69	046	025	003																							74
70- 79	052	025	005																							82
80- 89	058	034	010	001																						103
90- 99	075	044	011																							130
100-109	058	052	013																							123
110-119	068	071	017	003																						159
120-129	085	090	015	001																						191
130-139	080	106	027	003																						216
140-149	065	099	014	005																						183
150-159	062	087	017	004	001																					171
160-169	060	088	021	002	001																					172
170-179	056	077	016	002																						151
180-189	078	080	012	003																						173
190-199	064	049	008																							121
200-209	070	070	009																							149
210-219	051	065	006																							122
220-229	063	063	004																							130
230-239	062	035	005																							102
240-249	057	046	002																							105
250-259	068	045	002																							115
260-269	047	042	002																							91
270-279	060	050	004																							114
280-289	050	074	004																							128
290-299	063	100	007	001																						171
300-309	057	154	008	001																						220
310-319	056	135	021	001																						213
320-329	069	118	018	002																						207
330-339	077	113	009	001																						200
340-349	046	076	008	001																						131
350-359	049	057	002																							108
	2350		31		0		0		0		0		0		0		0		0		0		0		0	4840
	2154		303		2		0		0		0		0		0		0		0		0		0		0	

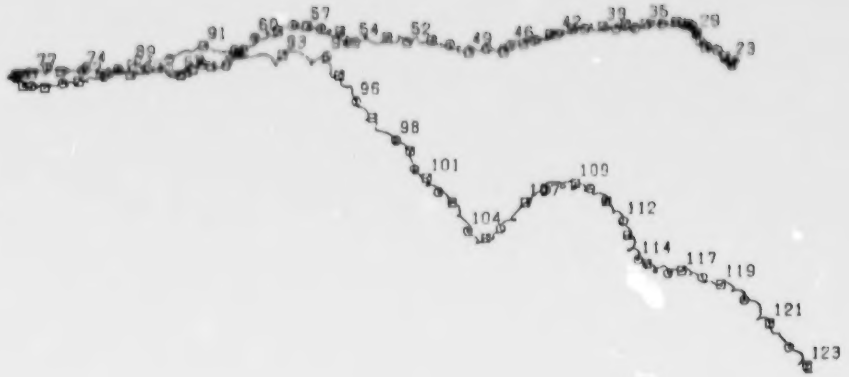
Number of zero rates: 0

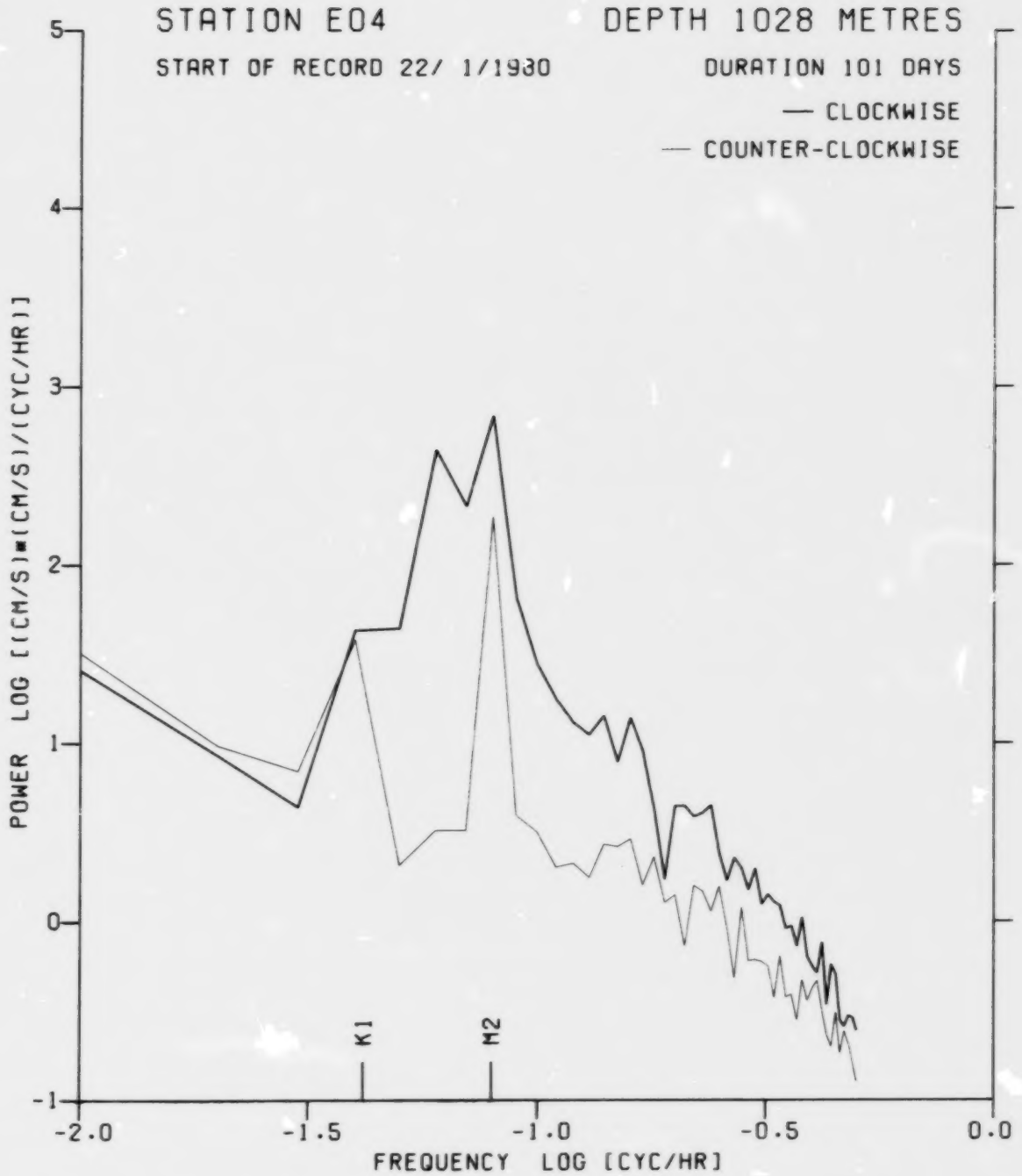
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

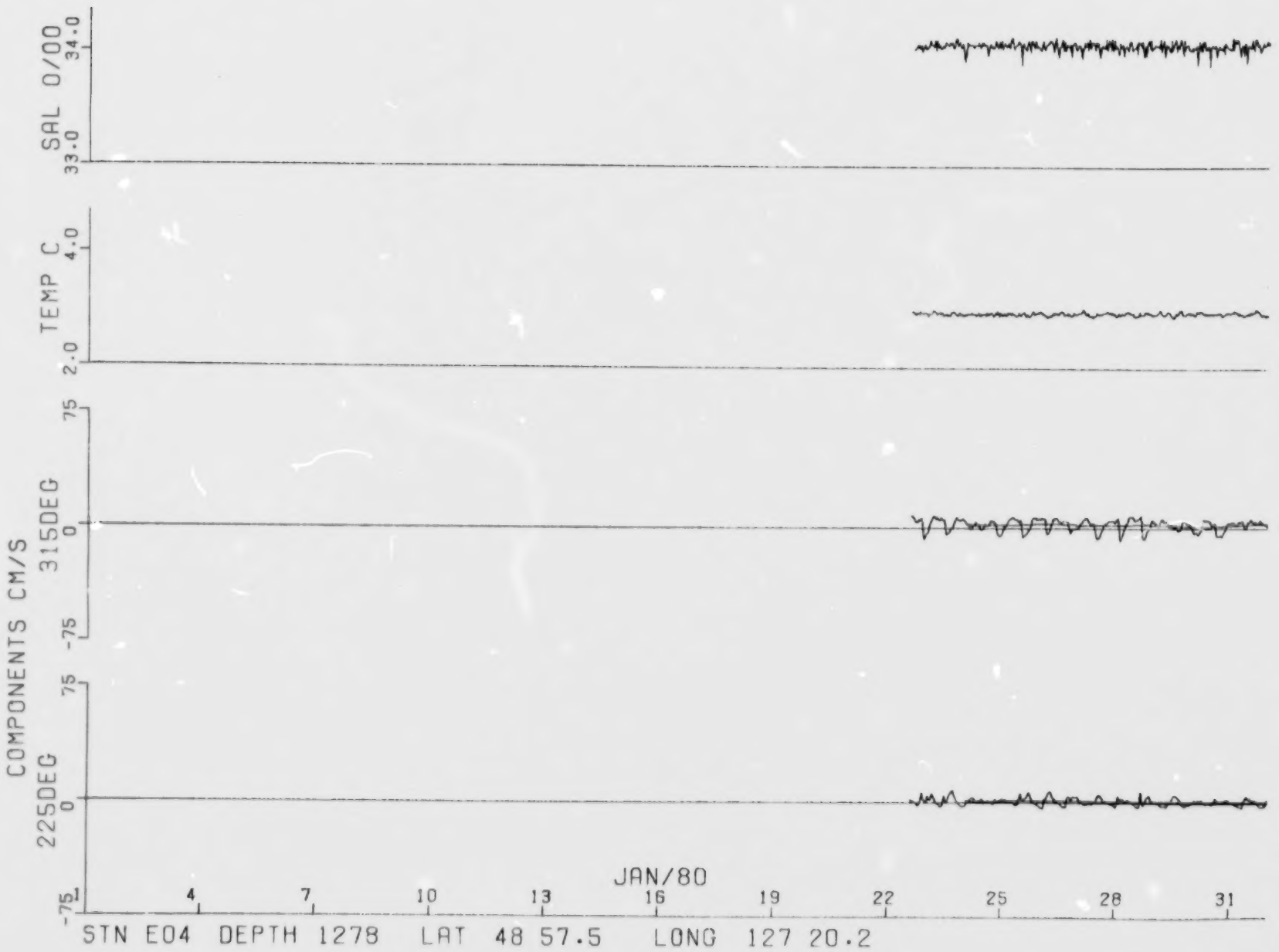
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

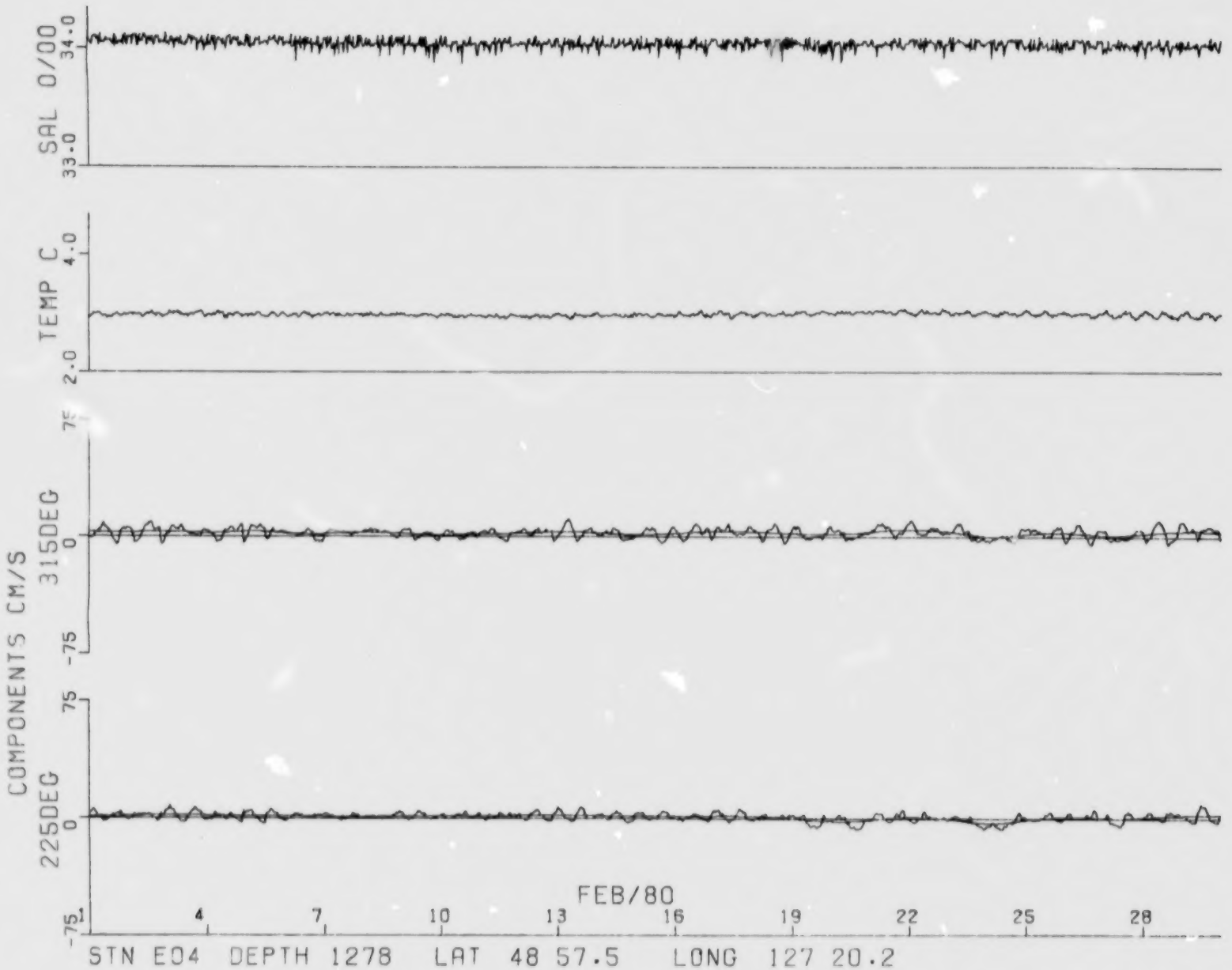
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	1028M	8600	22 /80	101

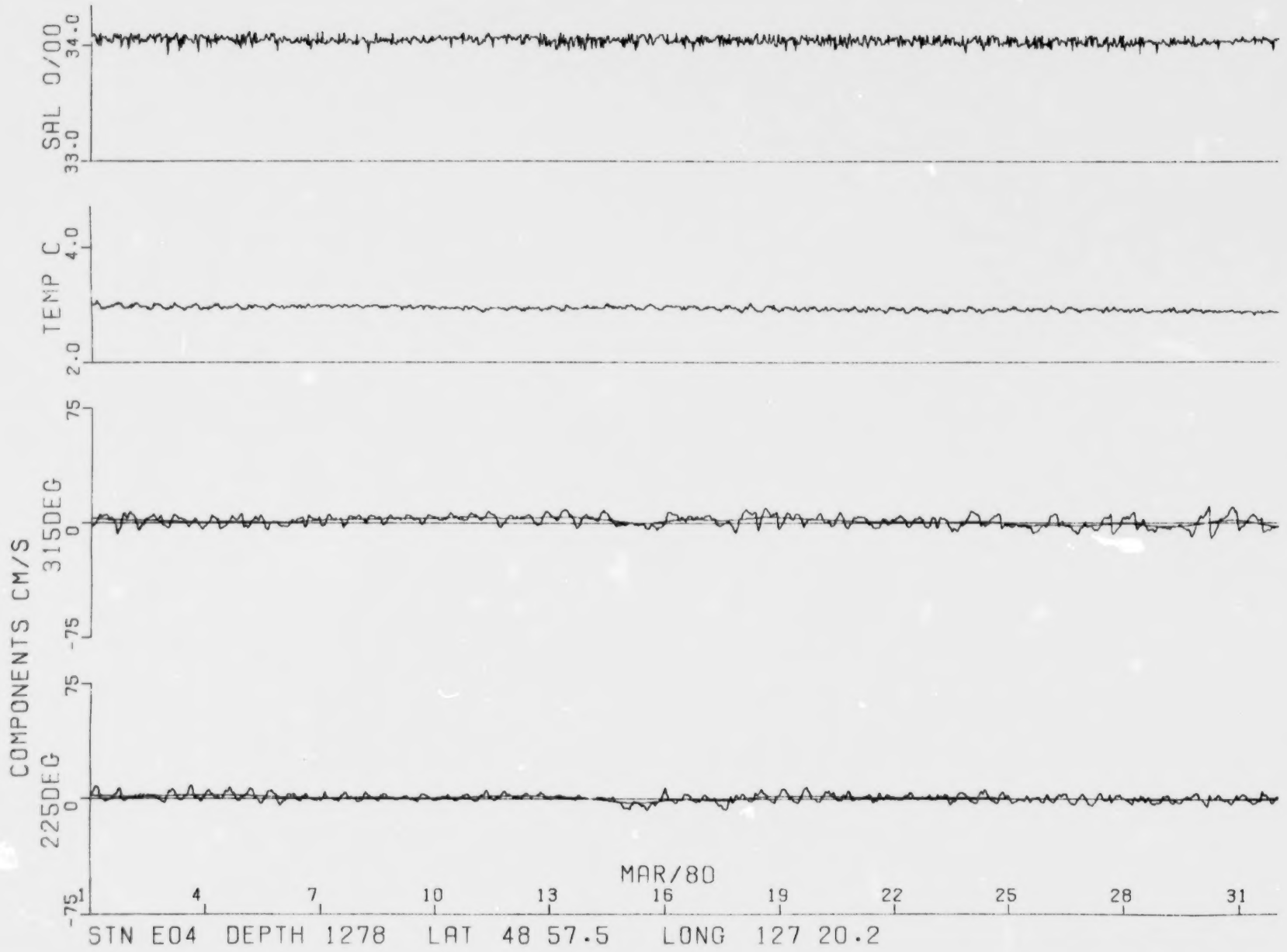
SCALE ⊢——————⊣
50 KM



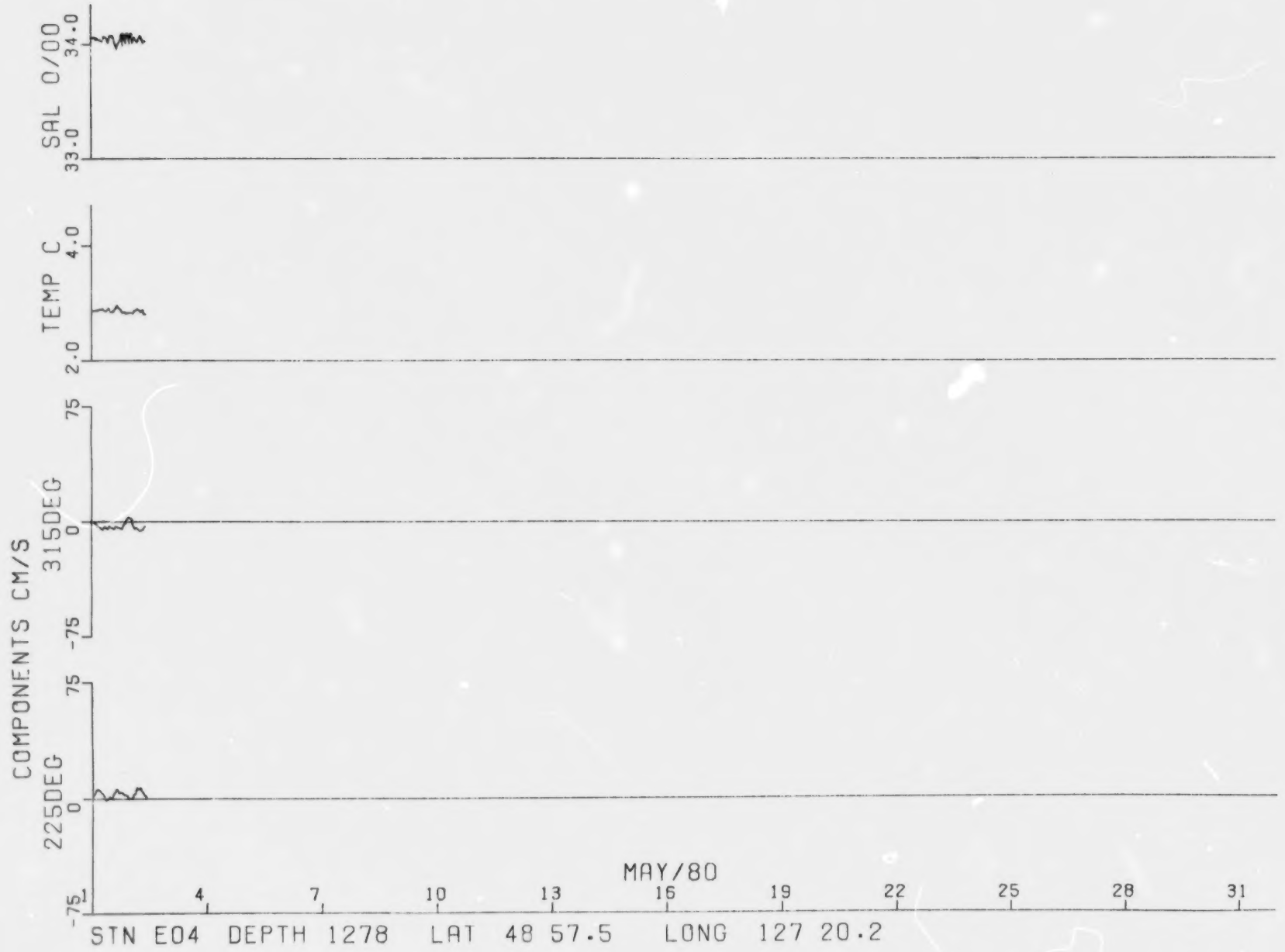

STATION E04
DEPTH 1028 METRES
START OF RECORD 22/ 1/1980
DURATION 101 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
34.0
33.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
JAN/80
STN E04 DEPTH 1278 LAT 48 57.5 LONG 127 20.2


SAL O/OO
34.0
33.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
FEB/80
STN E04 DEPTH 1278 LAT 48 57.5 LONG 127 20.2


SAL O/OO
34.0
33.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1278 LAT 48 57.5 LONG 127 20.2

SAL 0/00
33.0
34.0
TEMP C
2.0
4.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
STN E04 DEPTH 1278 LAT 48 57.5 LONG 127 20.2


SAL O/OO
34.0
33.0
TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1278 LAT 48 57.5 LONG 127 20.2

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 1278 ESTEVAN POINT 48 57.5 N 127 20.2 W Length of record=101 Days
Start of record 30 mn 14 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	003	001																								4
10- 19	002																									2
20- 29	003																									3
30- 39	004	010																								14
40- 49	009	021																								30
50- 59	026	018																								44
60- 69	047	011																								58
70- 79	081	017																								98
80- 89	085	013																								98
90- 99	063	009																								72
100-109	056	021																								77
110-119	058	010	001																							69
120-129	050	017	001																							68
130-139	066	035																								101
140-149	073	032																								105
150-159	104	050																								154
160-169	117	044																								161
170-179	113	044																								157
180-189	079	050																								129
190-199	092	035																								127
200-209	108	033																								141
210-219	089	045																								134
220-229	097	052																								149
230-239	098	046	001																							145
240-249	095	055	001																							151
250-259	079	030	001																							110
260-269	077	038																								115
270-279	106	058																								164
280-289	1[illegible]	059																								160
290-299	164	101	002																							267
300-309	254	128																								382
310-319	331	151	003																							485
320-329	292	147	005																							444
330-339	149	162	005																							316
340-349	053	048	003																							104
350-359		002																								2
	1593		0		0		0		0		0		0		0		0		0		0		0		0	4840
	3224	23		0		0		0		0		0		0		0		0		0		0		0		

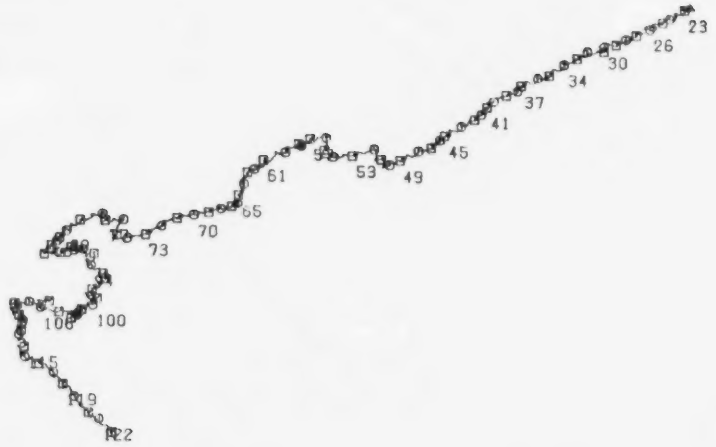
Number of zero rates: 0

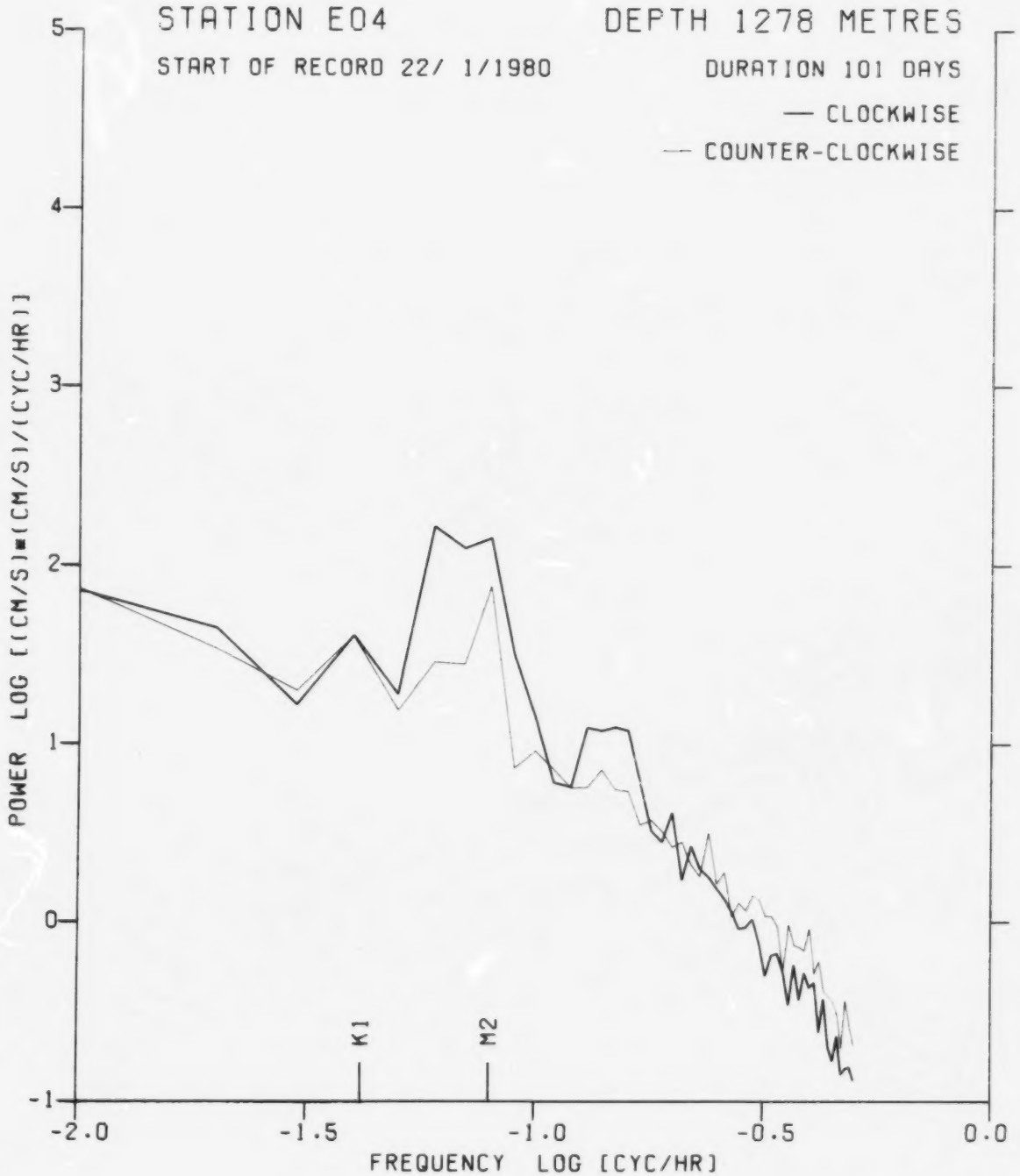
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	1278M	8600	22 /80	101

SCALE 50 KM

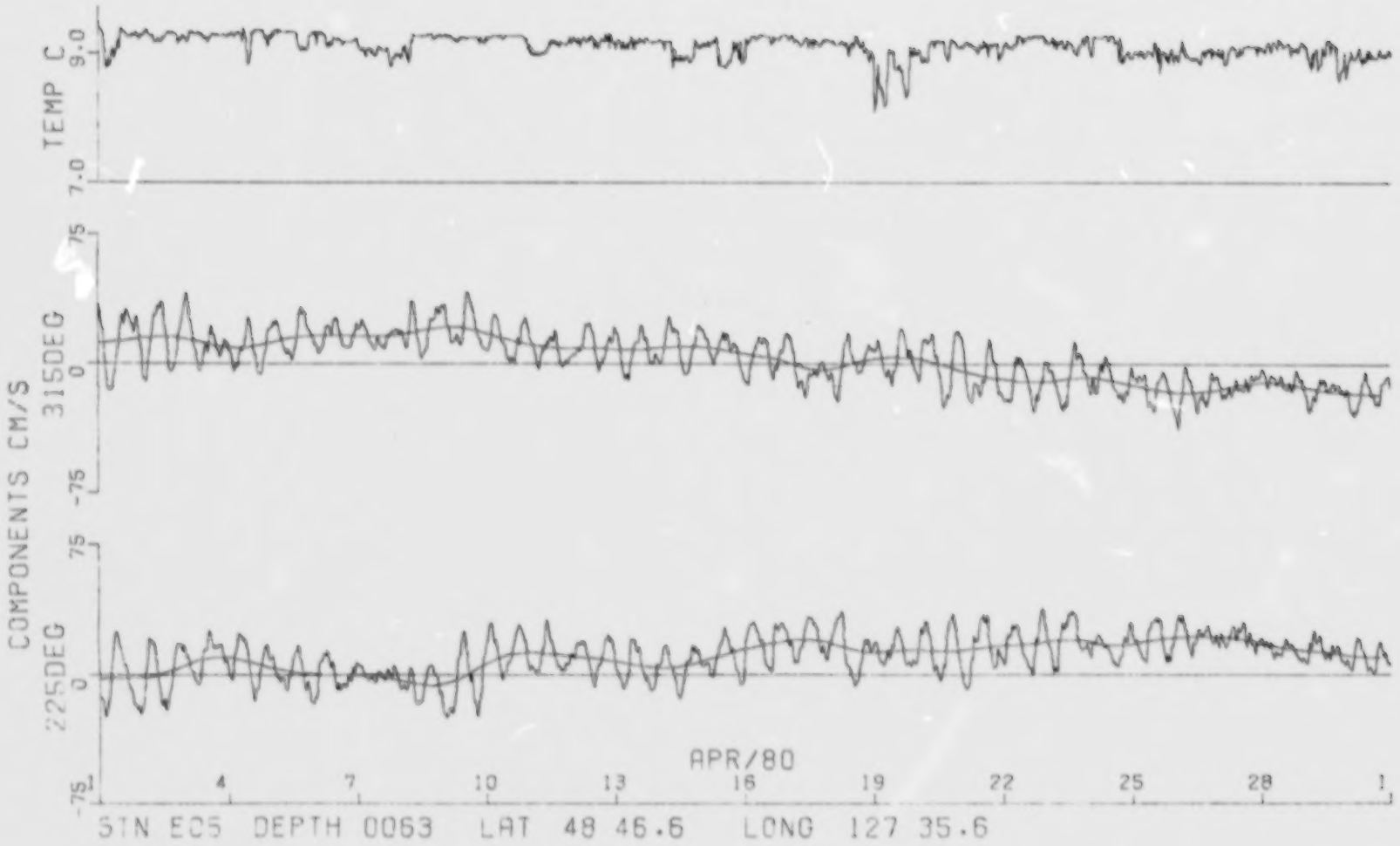



STATION E04
DEPTH 1278 METRES
START OF RECORD 22/ 1/1980
DURATION 101 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E05 DEPTH 0063 LAT 48 46.6 LONG 127 35.6
JAN/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
.75
0
-.75
7.0
9.0

STN EC5 DEPTH 0053 LAT 48 46.6 LONG 127 35.6
FEB/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
.75
0
.75
.75
0
.75
7.0
9.0

TEMP C
9.0
7.0
315DEG
.75
0
-.75
225DEG
.75
0
-.75
COMPONENTS CM/S
4
7
10
13
16
19
22
25
28
31
MAR/80
STN E05 DEPTH 0063 LAT 48 46.6 LONG 127 35.6


TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
4
7
10
13
16
19
22
25
28
1
STN EC5 DEPTH 0063 LAT 48 46.6 LONG 127 35.6

STN E05 DEPTH 0062 LAT 48 46.6 LONG 127 35.6
MAY/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
75
0
-75
7.0
9.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 0063 ESTEVAN POINT 48 46.6 N 127 35.6 W Length of record=101 Days
Start of record 30 mn 11 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	014	044	069	057	040	017	001																			242
10- 19	009	052	052	038	018	011																				180
20- 29	006	035	052	035	008	002																				138
30- 39	011	027	033	028	008																					107
40- 49	009	018	031	020	004																					82
50- 59	003	012	025	012	002																					54
60- 69	005	025	028	013																						71
70- 79	006	017	014	006																						43
80- 89	005	017	017	006																						45
90- 99	005	017	012	003																						37
100-109	004	019	012	001																						36
110-119	004	015	017	003																						39
120-129	005	012	014	001																						32
130-139	005	007	012	007	002																					33
140-149	004	013	011	007	006	009	002																			52
150-159	005	012	021	018	010	018	004	004																		92
160-169	003	011	016	021	013	015	012																			91
170-179	007	022	020	019	012	018	008	003	001	001	001															112
180-189	005	022	019	019	020	018	018	015	002	001																139
190-199	005	021	029	027	021	015	018	012	001																	149
200-209	005	024	016	022	028	010	008	007																		120
210-219	004	018	012	012	016	013	011	007																		93
220-229	005	024	019	013	013	012	002	002																		90
230-239	004	030	017	013	016	009	008	002																		99
240-249	005	027	018	024	014	013	010	001																		112
250-259	005	035	025	033	026	020	013																			157
260-269	006	025	036	026	026	016	006																			141
270-279	007	037	036	019	018	012	006	001																		136
280-289	004	034	040	030	014	010	011	001																		144
290-299	002	046	057	034	018	009	005	002																		173
300-309	008	055	074	044	040	016	004	003	003																	247
310-319	006	057	091	052	031	013	007	003	001																	261
320-329	009	058	103	065	033	019	008	007	001																	303
330-339	010	076	098	061	049	016	009	007																		326
340-349	012	072	104	075	043	015	010	009																		340
350-359	009	062	089	068	052	026	011	002	003																	322
	1098		932		352		88		2		0		0		0		0		0		0		0		0	4838
	221	1339		601		192		12		1		0		0		0		0		0		0		0		

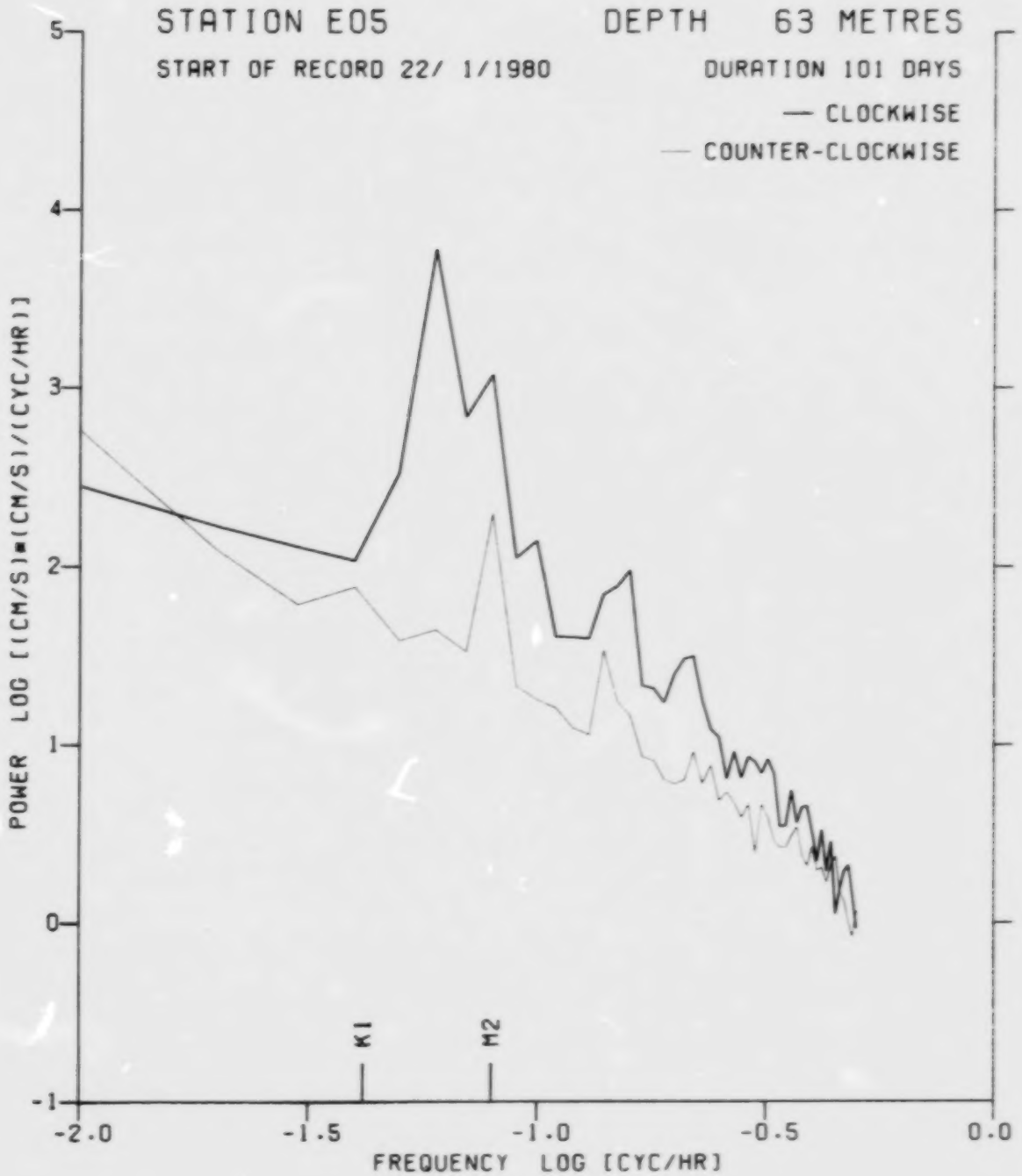
Number of zero rates: 0

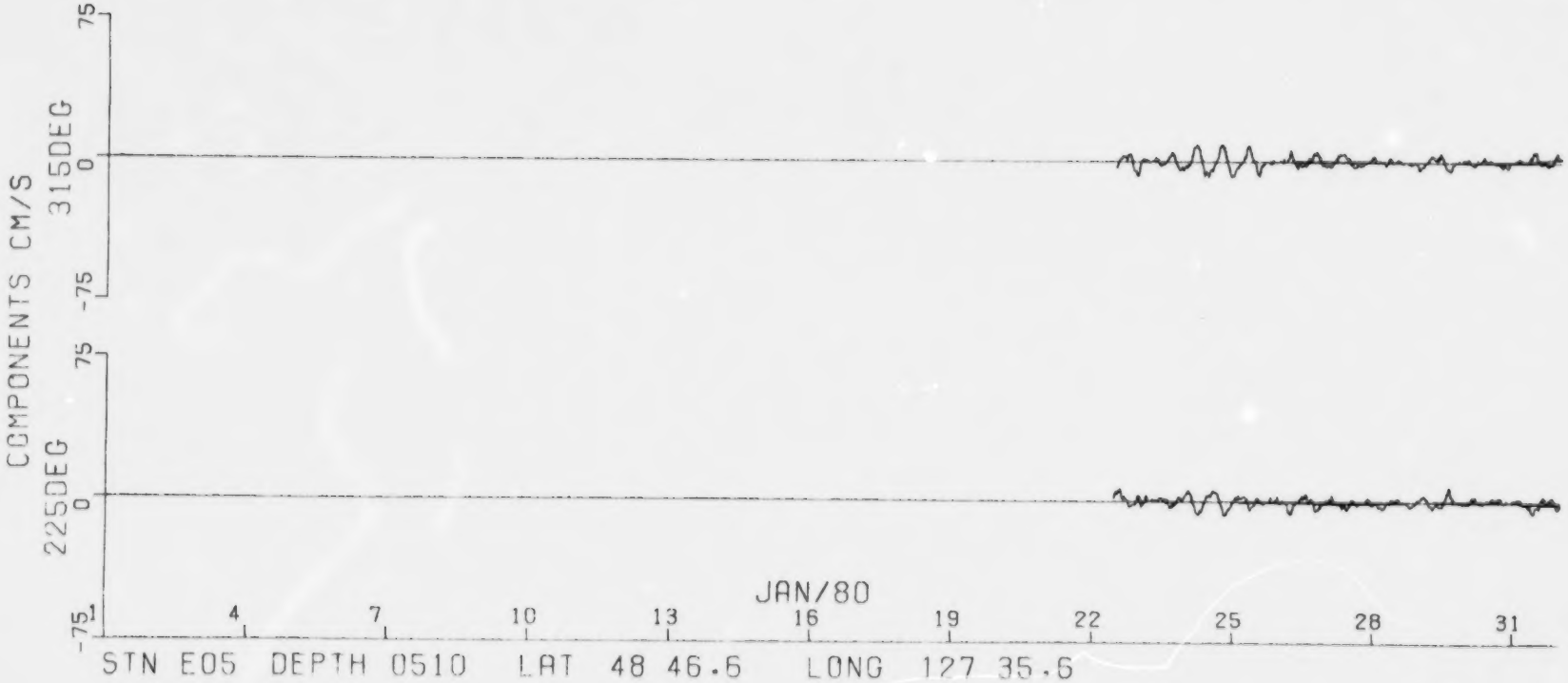
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

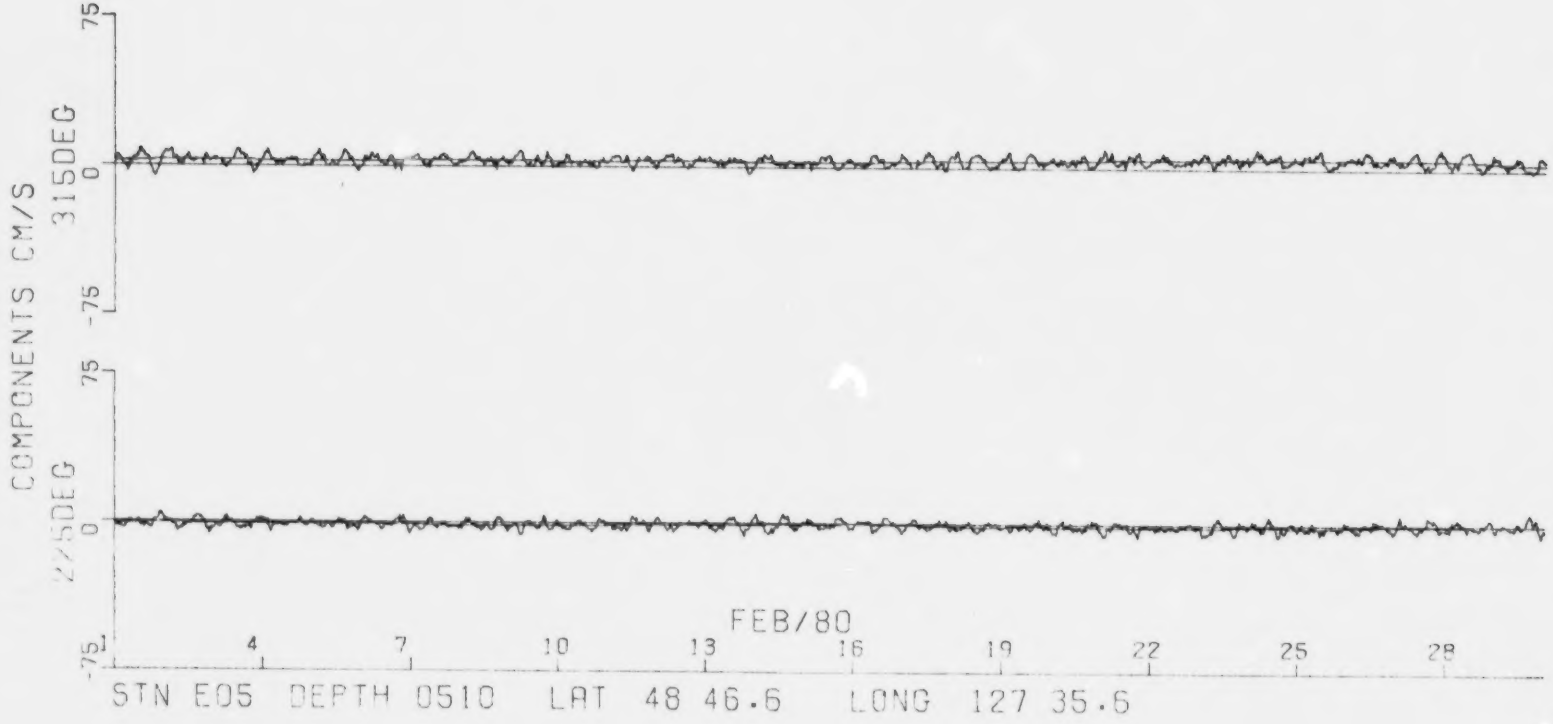
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

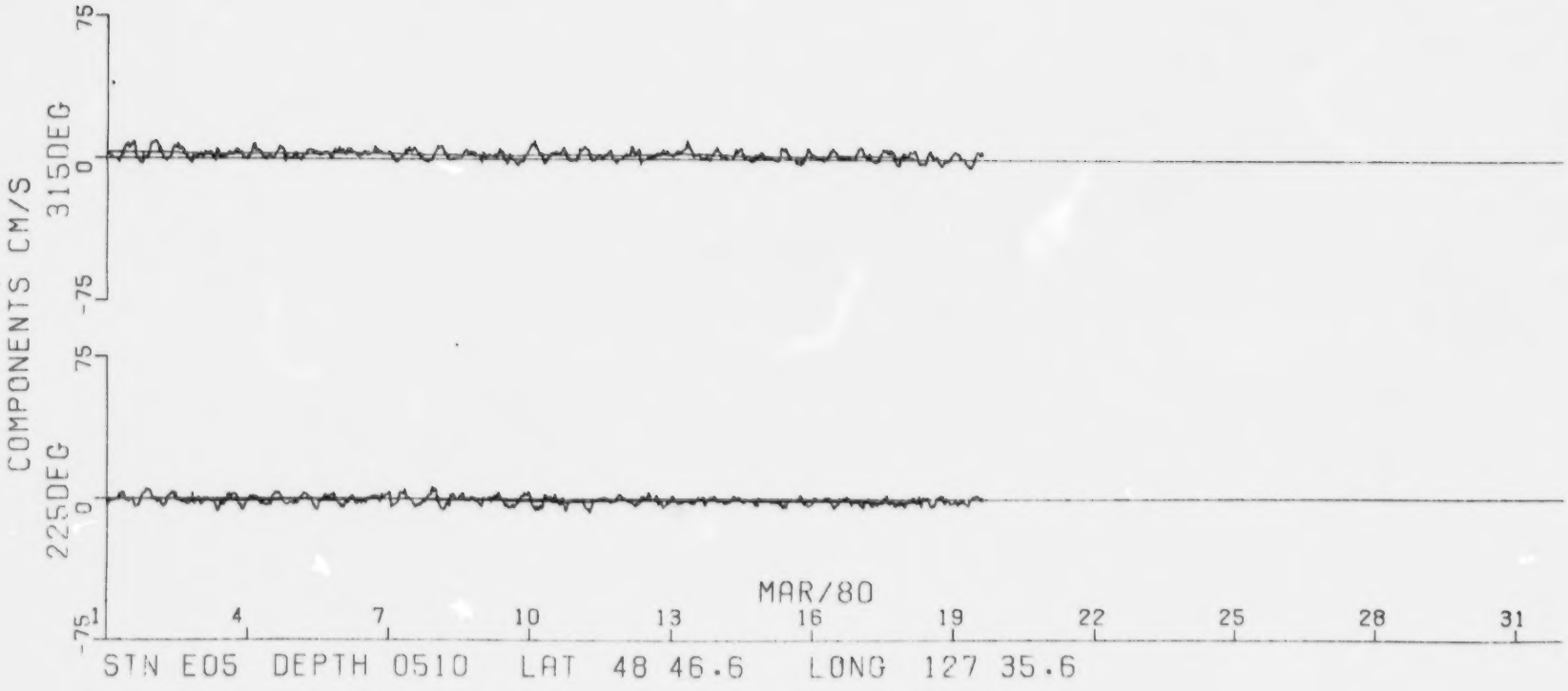
STN	DEPTH	AREA	DAY/YR	NO DAYS
E05	0063M	8600	22 /80	101

SCALE
100 KM


STATION E05
DEPTH 63 METRES
START OF RECORD 22/ 1/1980
DURATION 101 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)*(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/80
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0510 LAT 48 46.6 LONG 127 35.6


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN E05 DEPTH 0510 LAT 48 46.6 LONG 127 35.6


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
MAR/80
1
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0510 LAT 48 46.6 LONG 127 35.6

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 0510 ESTEVAN POINT 48 46.6 N 127 35.6 W Length of record= 57 Days
Start of record 00 mn 11 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	117	036																								153
10- 19	075	016																								91
20- 29	075	007																								82
30- 39	046	005																								51
40- 49	039	002																								41
50- 59	031																									31
60- 69	028	001																								29
70- 79	029	003																								32
80- 89	025	001																								26
90- 99	014	002																								16
100-109	028	002																								30
110-119	015	004																								19
120-129	016	002																								18
130-139	016	005																								21
140-149	015	005																								20
150-159	025	002																								27
160-169	024	001																								25
170-179	021	002																								23
180-189	023	004																								27
190-199	017	001																								18
200-209	028	002																								30
210-219	020	003																								23
220-229	025	001																								26
230-239	053	001																								54
240-249	029	003																								32
250-259	037	006																								43
260-269	£46	007																								53
270-279	075	008																								83
280-289	086	016																								102
290-299	092	022																								114
300-309	119	048	001																							168
310-319	139	072																								211
320-329	146	111																								257
330-339	157	132	005																							294
340-349	157	091	004																							252
350-359	127	064	002																							193
	688		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø	2715
	2015	12		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		

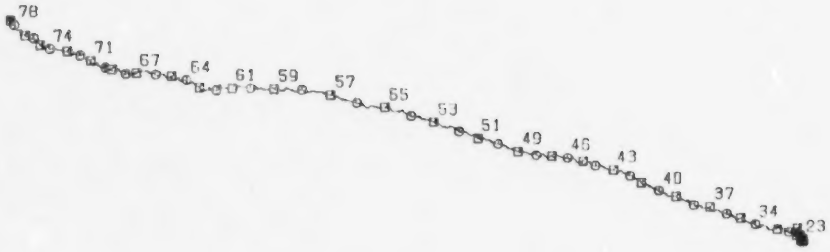
Number of zero rates: 30

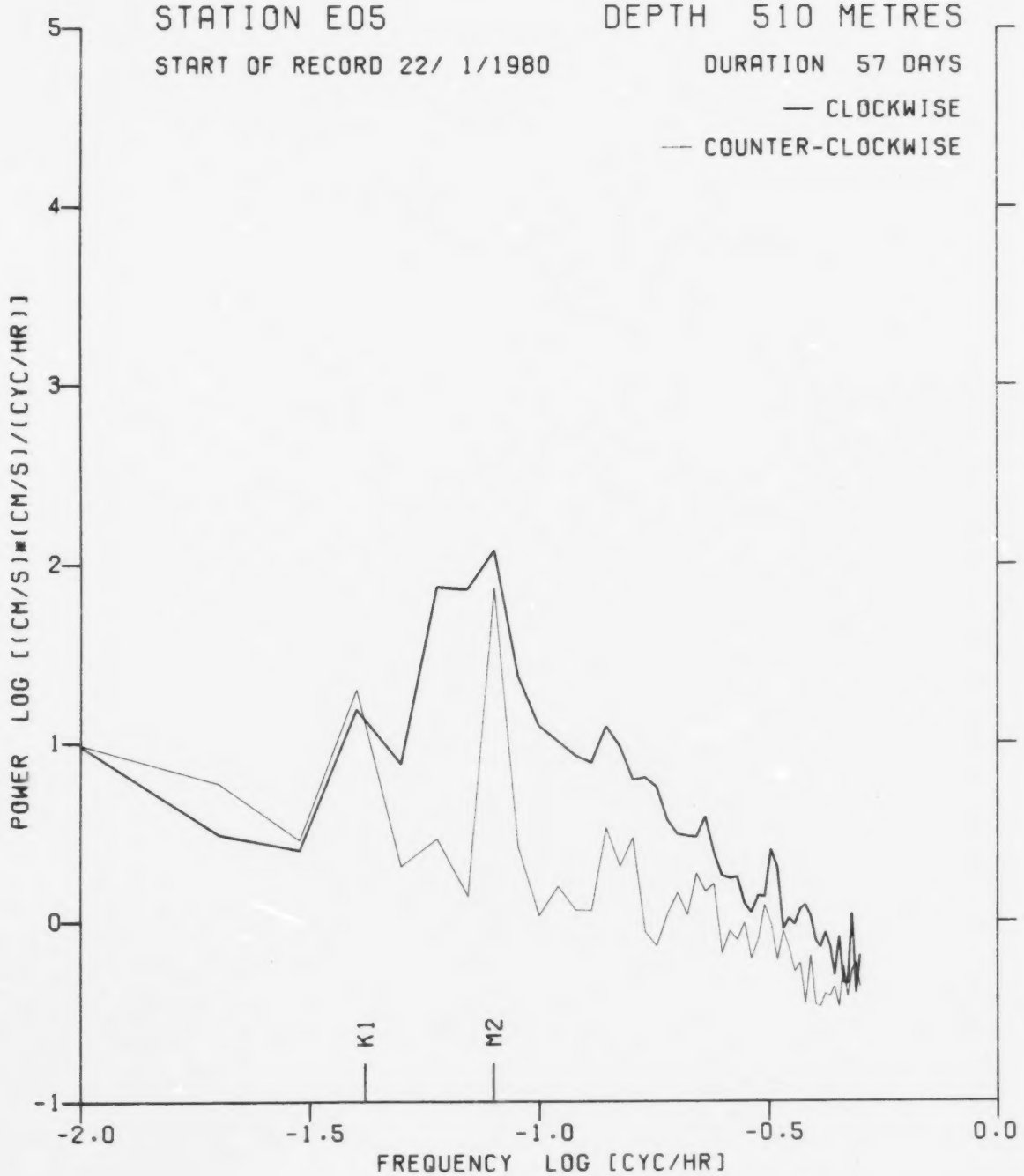
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
©EVEN NUMBERED DAYS

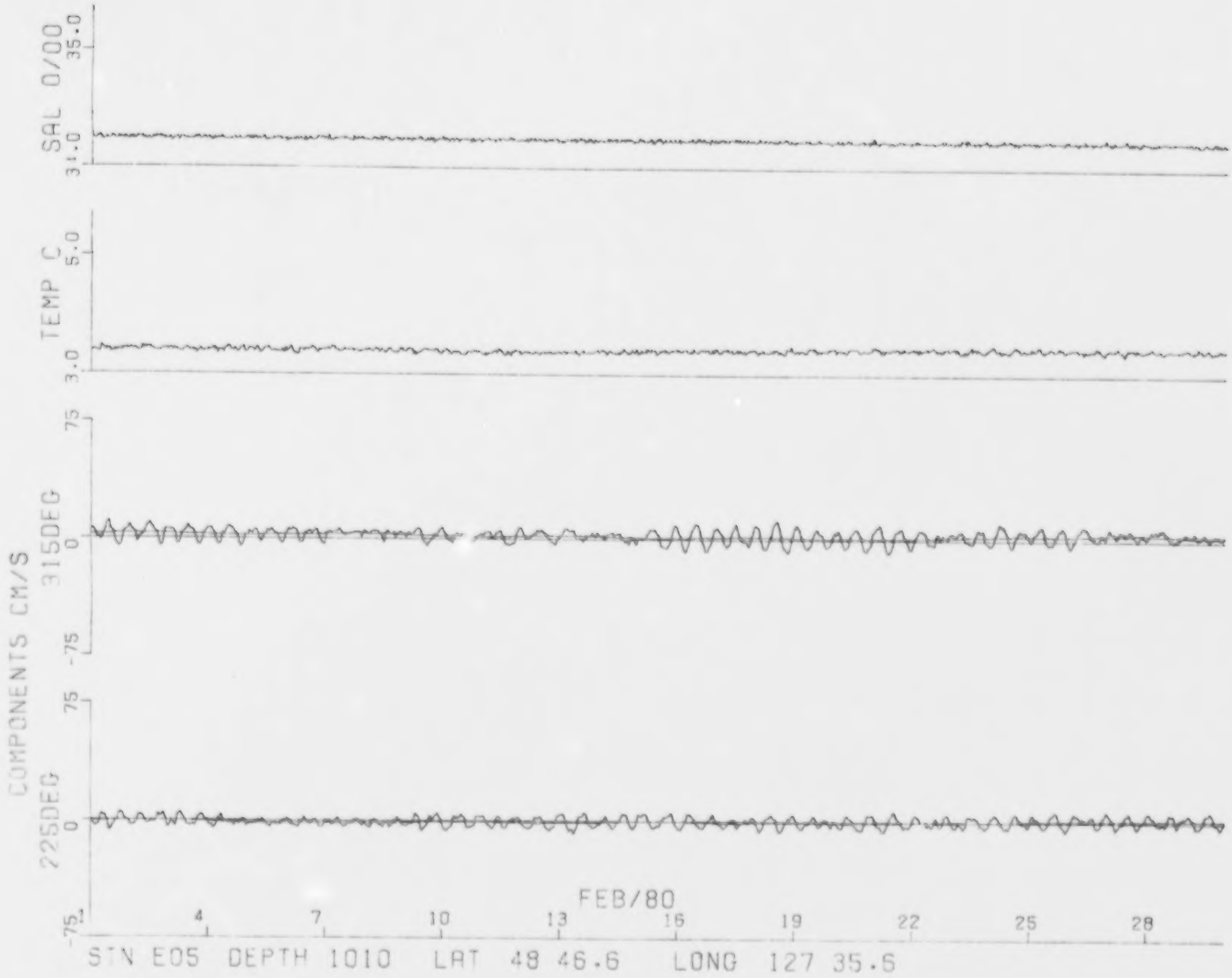
STN	DEPTH	AREA	DAY/YR	NO DAYS
EOS	0510M	8600	22 /80	57

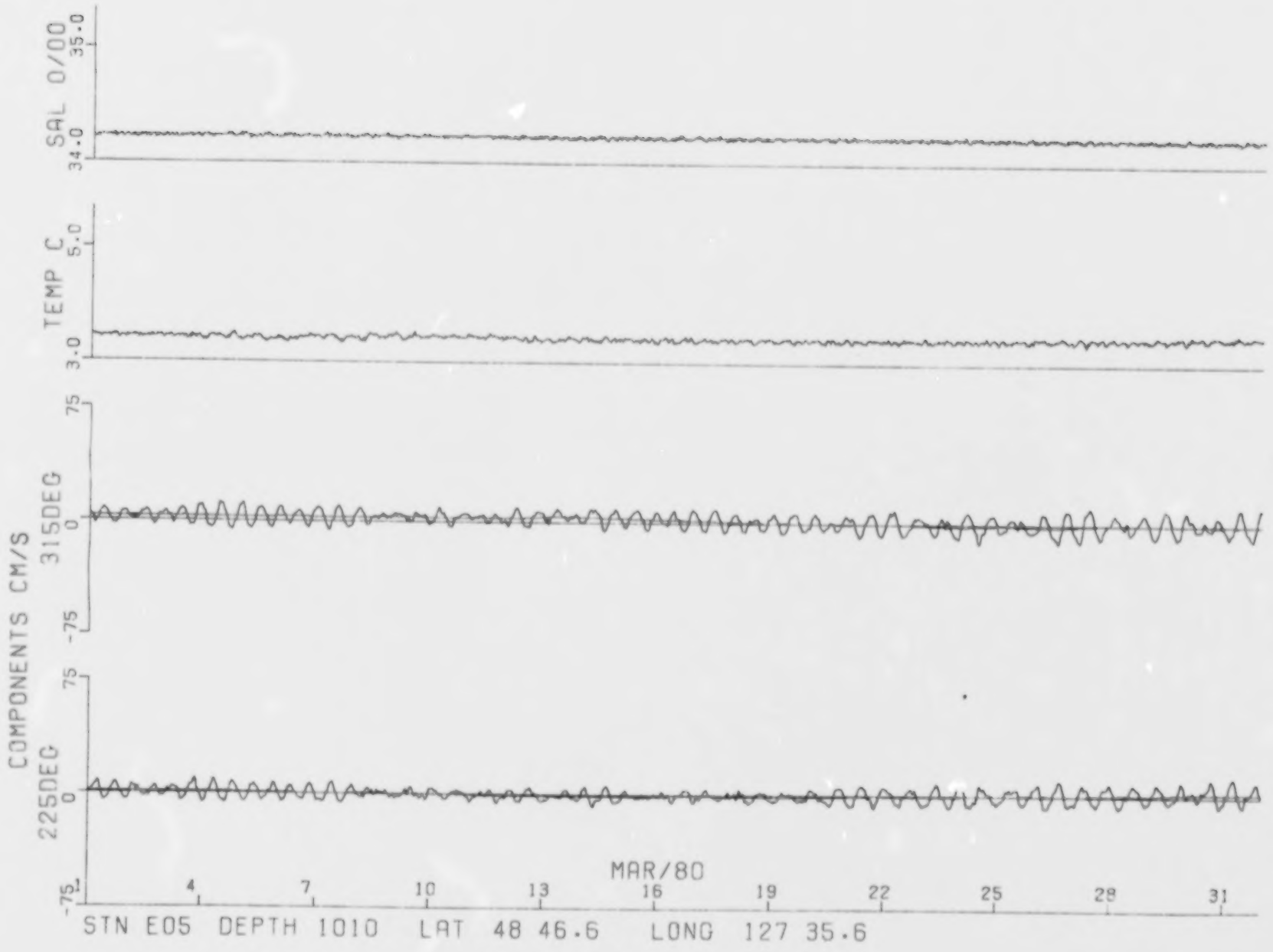
SCALE 50 KM

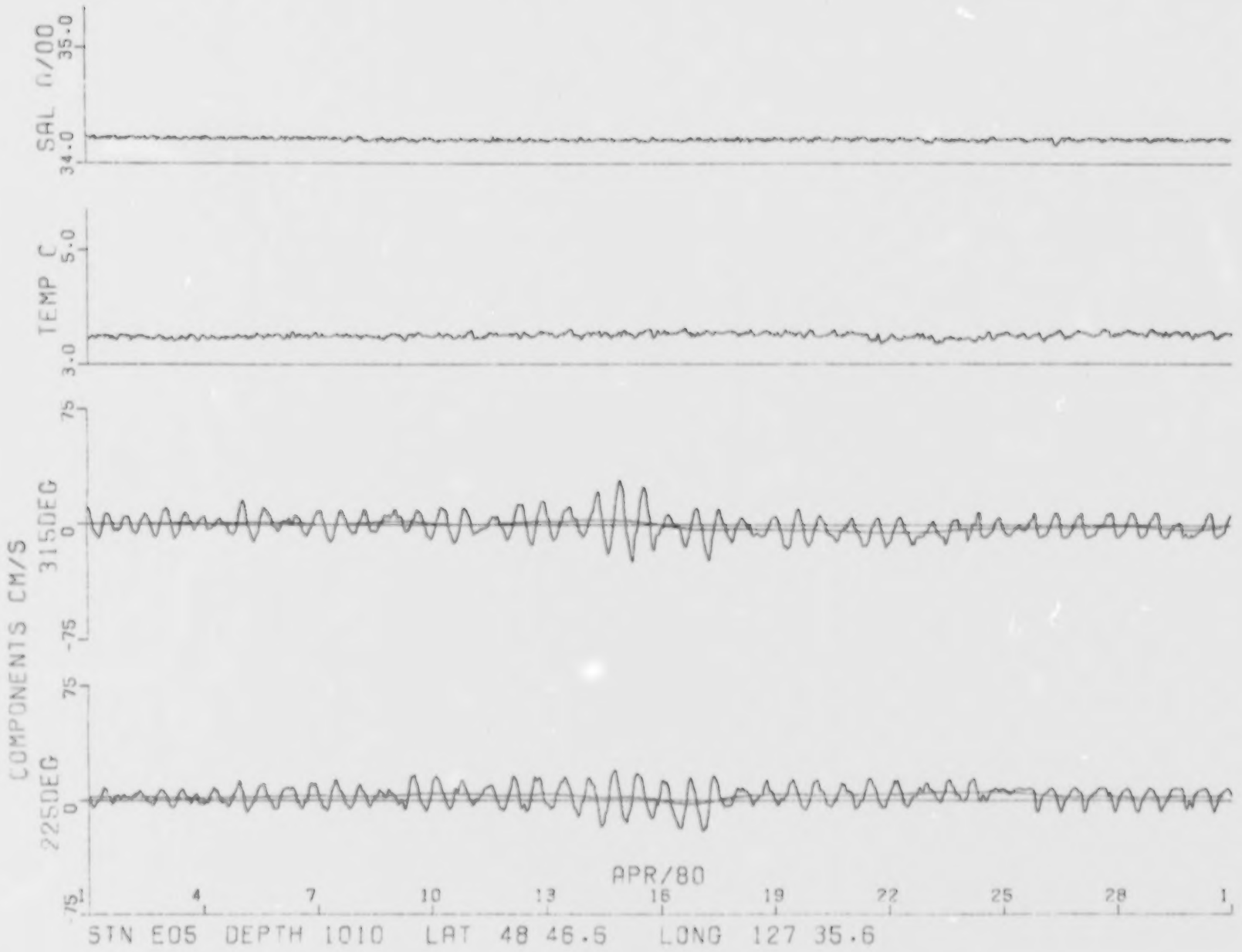



STATION E05
DEPTH 510 METRES
START OF RECORD 22/ 1/1980
DURATION 57 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN EOS DEPTH 1010 LAT 48 46.6 LONG 127 35.6
JAN/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0


SAL 0/00
35.0
31.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/80
1
4
7
10
13
16
19
22
25
28
STN E05 DEPTH 1010 LAT 48 46.6 LONG 127 35.6


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 1010 LAT 48 46.6 LONG 127 35.6


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/80
1
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 1010 LAT 48 46.6 LONG 127 35.6

SAL 0/00
34.0
35.0
TEMP C
3.0
5.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
SIN E05 DEPTH 1010 LAT 48 46.6 LONG 127 35.6
MAY/80
4
7
10
13
16
19
22
25
28
31

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 1010 ESTEVAN POINT 48 46.6 N 127 35.6 W Length of record=101 Days
Start of record 30 mn 11 hr 22 dy 1 mo 80 yr PST Rate of obser.= 2 per Hour

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
CMS/SEC																										
0- 9	072	062	002	001	001																					
10- 19	065	046	002		001																					
20- 29	055	041	002	002																						138
30- 39	052	033	003	001																						114
40- 49	052	027	004	006																						100
50- 59	028	026	004	002																						89
60- 69	040	016		002																						89
70- 79	036	025	002	001	001																					60
80- 89	043	028	003		001																					58
90- 99	031	042	004	001	001																					65
100-109	034	048	005	001																						75
110-119	038	038	004	001	001																					79
120-129	033	054	007	002	001																					88
130-139	049	059	007	001	002																					82
140-149	067	072	020	001	002																					97
150-159	050	064	016	001	001	001																				118
160-169	046	063	021	006	002																					162
170-179	038	073	016	007	002																					133
180-189	041	058	018	009	003																					138
190-199	049	054	016	008	001																					136
200-209	032	066	030	008																						129
210-219	039	065	021	007																						128
220-229	043	058	019	003																						136
230-239	051	059	016	006																						132
240-249	045	063	014	002																						123
250-259	042	058	009	005	001																					132
260-269	065	055	010	002																						124
270-279	064	058	009		002																					115
280-289	064	068	012	001	002																					132
290-299	053	089	007	003		002																				133
300-309	078	104	009	002	001	002																				147
310-319	087	154	012	003	001	001																				154
320-329	089	169	016	001	002	002																				196
330-339	083	154	011	002	001	001																				258
340-349	105	139	008		002	001																				279
350-359	069	093	009		001																					252
																										255
	2381		98		10		0		0		0		0		0		0		0		0		0		0	192
	1948		368		33		0		0		0		0		0		0		0		0		0		0	4838

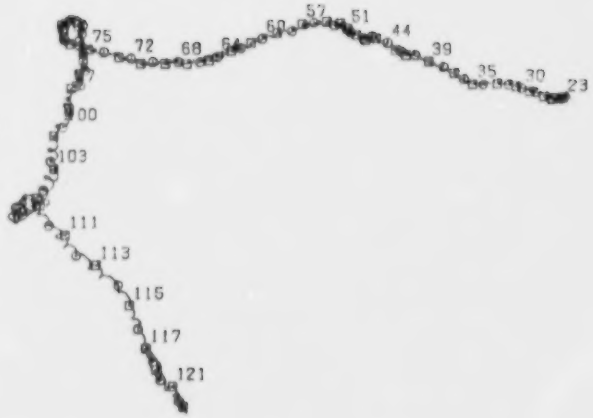
Number of zero rates: 0

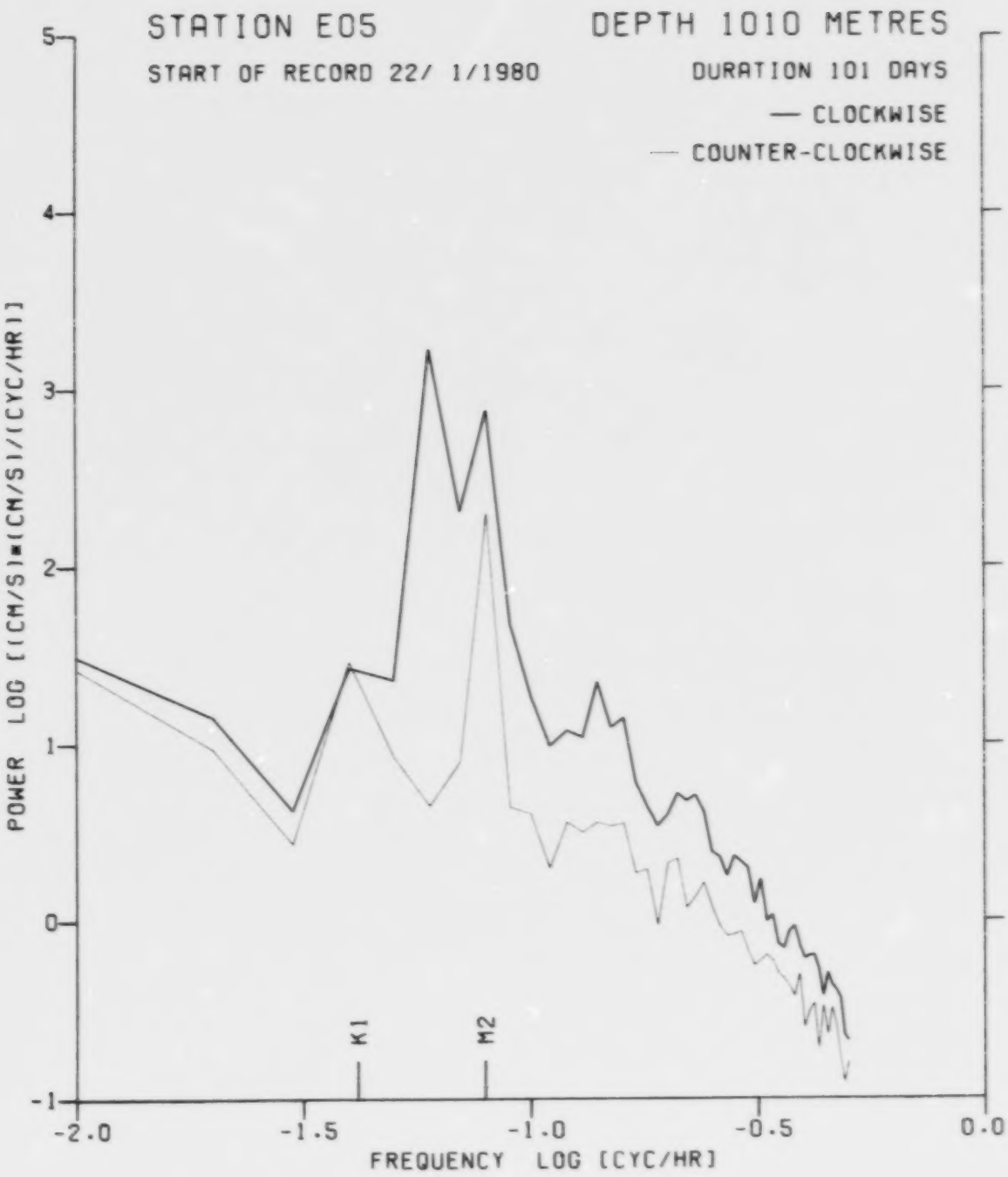
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
EOS	1010M	8600	22 /80	101

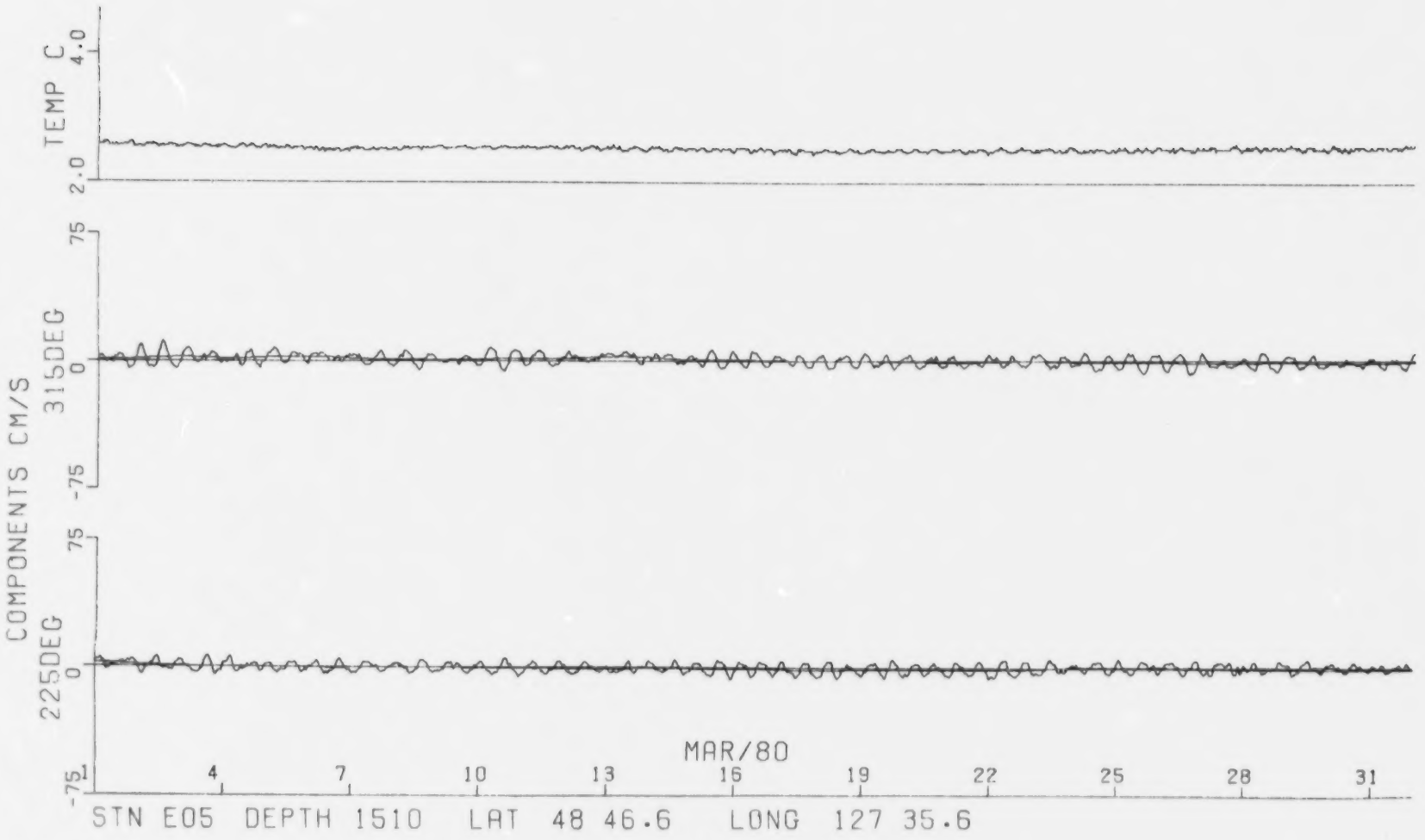
SCALE 50 KM



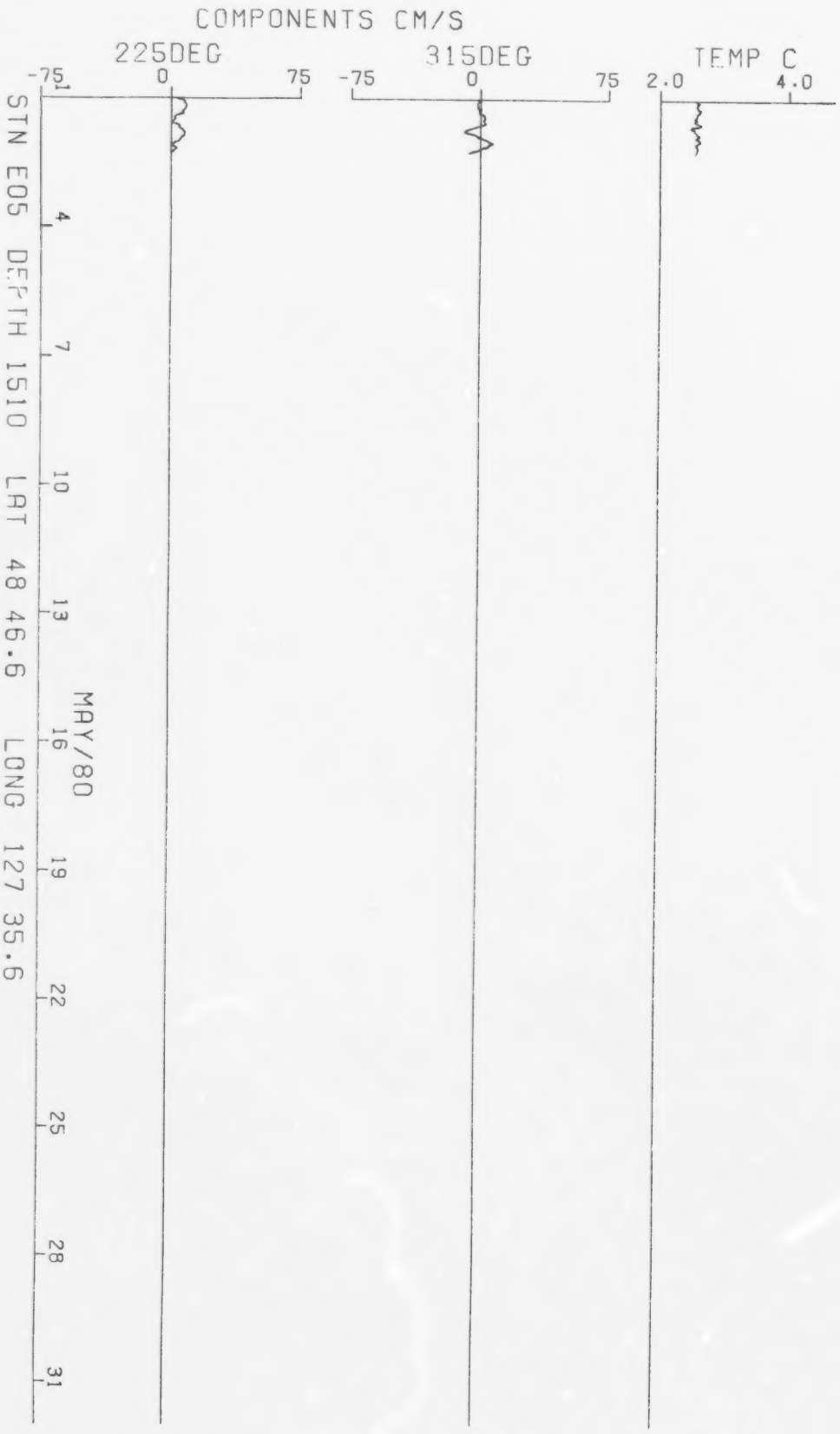

STATION E05
DEPTH 1010 METRES
START OF RECORD 22/ 1/1980
DURATION 101 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN EOS DEPTH 1510 LAT 48 46.6 LONG 127 35.6
JAN/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
75
0
-75
2.0
4.0

STN EOS DEPTH 1510 LAT 48 46.6 LONG 127 35.6
FEB/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
2.0
4.0


TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/80
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 1510 LAT 48 46.6 LONG 127 35.6

SEA EOS DEPTH 1510 LAT 48 46.6 LONG 127 35.6
APR/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
2.0
4.0


COMPONENTS CM/S
225DEG
315DEG
TEMP C
-75
0
75
-75
0
75
2.0
4.0
STN E05 DEPTH 1510 LAT 48 46.6 LONG 127 35.6
MAY/80
1
4
7
10
13
16
19
22
25
28
31

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn EØ5 Depth 151Ø ESTEVAN POINT 48 46.6 N 127 35.6 W Length of record=1Ø1 Days
Start of record 3Ø mn 11 hr 22 dy 1 mo 8Ø yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	ØØ1 to ØØ4	Ø5 to Ø9	1Ø to 14	15 to 19	2Ø to 24	25 to 29	3Ø to 34	35 to 39	4Ø to 44	45 to 49	5Ø to 54	55 to 59	6Ø to 64	65 to 69	7Ø to 74	75 to 79	8Ø to 84	85 to 89	9Ø to 94	95 to 99	1ØØ to 1Ø4	1Ø5 to 1Ø9	11Ø to 114	115 to 119	12Ø to 124	
Ø- 9	124	Ø51																								175
1Ø- 19	Ø88	Ø54																								142
2Ø- 29	Ø95	Ø51																								146
3Ø- 39	Ø75	Ø23																								98
4Ø- 49	Ø85	Ø24																								1Ø9
5Ø- 59	Ø65	Ø3Ø	ØØ1																							96
6Ø- 69	Ø83	Ø33																								116
7Ø- 79	Ø69	Ø39	ØØ1																							1Ø9
8Ø- 89	Ø78	Ø31	ØØ1																							11Ø
9Ø- 99	Ø73	Ø39																								112
1ØØ-1Ø9	Ø61	Ø33	ØØ1																							95
11Ø-119	Ø69	Ø4Ø	ØØ3																							112
12Ø-129	Ø77	Ø35	ØØ6																							118
13Ø-139	Ø72	Ø57	ØØ7	ØØ1																						137
14Ø-149	Ø77	Ø66	ØØ1	ØØ1																						145
15Ø-159	Ø84	Ø55	ØØ1	ØØ1																						141
16Ø-169	1Ø9	Ø59	ØØ2	ØØ1																						171
17Ø-179	1Ø4	Ø61	ØØ6	ØØ1																						172
18Ø-189	Ø86	Ø56	ØØ6																							148
19Ø-199	Ø94	Ø5Ø	ØØ5																							149
2ØØ-2Ø9	Ø77	Ø41	ØØ1																							119
21Ø-219	Ø68	Ø57																								125
22Ø-229	Ø71	Ø33																								1Ø4
23Ø-239	Ø8Ø	Ø51																								131
24Ø-249	Ø85	Ø53																								138
25Ø-259	Ø76	Ø47																								123
26Ø-269	Ø8Ø	Ø4Ø																								12Ø
27Ø-279	Ø75	Ø43	ØØ1																							119
28Ø-289	Ø88	Ø47	ØØ3																							138
29Ø-299	Ø81	Ø46	ØØ4																							131
3ØØ-3Ø9	Ø89	Ø62	ØØ7																							158
31Ø-319	Ø73	Ø69	ØØ7																							149
32Ø-329	Ø85	Ø7Ø	ØØ4																							159
33Ø-339	Ø93	Ø68	ØØ1																							162
34Ø-349	1Ø4	Ø65	ØØ1																							17Ø
35Ø-359	128	Ø62	ØØ1																							191
	1741		5		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø	4838
	3Ø21		71		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø		Ø	

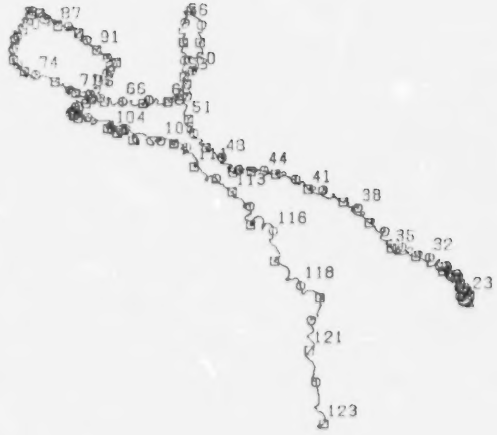
Number of zero rates: Ø

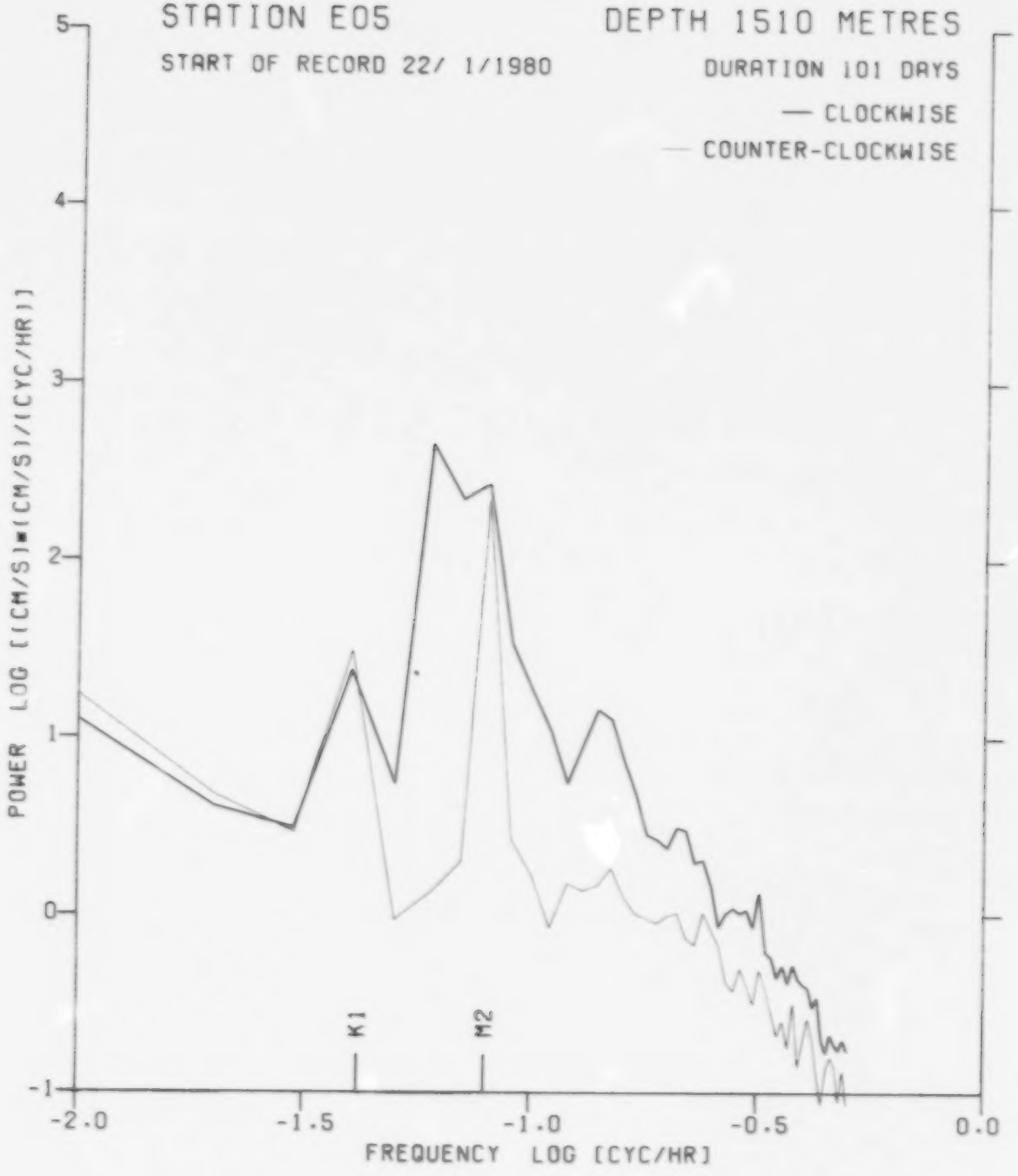
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E05	1510M	8600	22 /80	101

SCALE 25 KM




STATION E05
DEPTH 1510 METRES
START OF RECORD 22/ 1/1980
DURATION 101 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

TIDAL CURRENT ELLIPSE

Stn CZ1 Depth 0050m PACHENA POINT 48 28.9 N 125 22.4 W

Starting time of analysed data 00 Min 13 Hr 27 Day 11 Mon 79 Yr PST
Length of Data 242 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	5.3	0.0	175.9	360.0
SSA	4.6	.7	15.2	28.7
MSM	1.3	-.2	101.5	6.4
MM	2.0	.1	23.6	170.4
MSF	2.1	.4	16.6	124.6
MF	1.9	-.4	173.1	87.3
ALP1	.7	.3	40.7	188.7
2Q1	.5	.1	135.0	177.9
SIG1	.4	.2	60.4	70.3
Q1	.6	-.3	178.9	198.3
RHO1	.6	-.1	32.5	54.1
O1	5.1	-1.4	166.1	212.0
TAU1	.4	.2	40.8	346.1
BET1	.5	-.4	135.2	182.2
NO1	.7	-.2	178.9	202.9
CHI1	.5	-.2	48.0	227.1
P1	2.3	-1.4	174.9	200.7
K1	10.6	-3.4	165.4	232.3
PHI1	.6	-.1	166.4	355.5
THE1	.5	-.2	115.4	325.4
J1	1.1	-.2	97.5	353.0
SO1	.6	-.1	130.2	44.4
OO1	.7	-.4	41.7	70.1
UPS1	.4	-.3	93.3	345.2
OQ2	.7	-.2	78.7	181.6
EPS2	.4	-.2	140.5	145.4
2N2	.6	-.3	167.4	266.3
MU2	.4	-.1	159.8	132.2
N2	2.1	-1.6	3.0	9.0
NU2	.8	-.3	27.3	69.8
M2	9.5	-5.8	178.9	219.3
MKS2	3.0	-2.1	157.0	316.5
LDA2	.9	-.7	75.8	163.7
L2	1.3	-1.1	170.0	189.7
S2	2.3	-1.1	170.3	228.1
K2	1.4	-.7	19.2	93.7
MSN2	.3	-.2	14.8	228.6
ETA2	.2	0.0	4.8	123.6
MO3	.2	-.1	67.3	267.2
M3	.3	-.2	87.8	95.0
SO3	.5	-.2	94.3	321.5
MK3	.4	0.0	129.8	293.2
SK3	.4	-.2	121.9	290.8
MN4	.2	0.0	130.6	275.8
M4	.1	0.0	1.0	64.3
SN4	.2	0.0	172.1	43.7
MS4	.2	0.0	38.8	99.0
ME4	.2	-.1	113.0	41.8
S4	.2	0.0	110.5	191.6
SK4	.2	0.0	77.0	211.3

Continued

Stn CZ1 Depth 0050m PACHENA POINT 48 28.9 N 125 22.4 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.2	-.1	108.2	60.9
2SK5	.1	0.0	94.2	112.8
2MN6	.1	-.1	89.1	327.5
M6	0.0	0.0	84.4	34.9
2MS6	.2	-.1	82.7	94.8
2MK6	.1	-.1	50.9	197.5
2SM6	.2	0.0	70.4	212.5
MSK6	.2	.1	68.2	269.2
3MK7	.2	0.0	129.4	151.8
M8	.1	0.0	8.2	253.6

TIDAL CURRENT ELLIPSE

Stn CZ1 Depth 0100m PACHENA POINT 48 28.9 N 125 22.4 W

Starting time of analysed data 00 Min 13 Hr 27 Day 11 Mon 79 Yr PST
Length of Data 242 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	4.4	0.0		
SSA	1.9	-.2	178.3	0.0
MSM	.6	0.0	160.5	193.1
MM	1.3	0.0	68.6	41.0
MSF	1.3	.7	176.0	347.4
MF	1.0	-.3	46.9	139.7
ALP1	.2	0.0	72.0	173.2
2Q1	.2	0.0	2.9	229.8
SIG1	.5	-.2	146.8	183.3
Q1	.4	-.2	86.8	27.4
RHO1	.5	.3	4.9	36.0
O1	5.4	-.3	158.8	238.1
TAU1	.3	.1	169.2	226.6
BET1	.4	-.3	89.8	14.1
NO1	.3	.1	34.4	4.9
CHI1	.5	.1	153.4	199.1
P1	2.8	0.0	8.1	216.1
K1	8.9	-1.2	173.7	240.8
PHI1	.4	0.0	171.6	252.6
THE1	.6	-.3	157.9	239.2
J1	.5	-.1	56.6	66.4
SO1	.2	-.2	173.4	273.3
OO1	.4	-.1	.9	182.9
UPS1	.3	.1	57.6	146.3
OQ2	.1	0.0	38.1	333.8
EPS2	.2	-.1	58.4	45.0
2N2	.4	-.3	59.0	138.8
MU2	.5	-.2	68.0	57.8
N2	1.9	-.9	150.3	126.8
NU2	.9	-.3	164.4	199.0
M2	8.6	-4.3	128.3	224.9
MKS2	3.1	-1.9	177.1	229.0
LDA2	.4	.2	25.5	87.6
L2	1.3	-.6	57.0	158.0
S2	1.8	-.4	175.8	313.4
K2	1.0	.1	166.3	251.2
MSN2	.4	-.2	155.8	239.1
ETA2	.7	-.3	16.6	252.3
MO3	.4	-.1	175.0	96.8
M3	.4	0.0	166.7	83.1
SO3	.2	-.1	154.5	125.8
MK3	.6	-.3	134.7	82.1
SK3	.3	-.2	153.5	71.4
MN4	.2	0.0	152.5	101.9
M4	.4	-.4	46.0	175.3
SN4	.2	-.1	11.3	234.2
MS4	.2	-.1	72.6	331.1
MK4	.1	0.0	70.7	162.4
S4	.2	-.1	87.4	154.4
SK4	.2	-.1	179.9	202.0
			33.1	34.1

Continued

Stn CZ1 Depth 0100m PACHENA POINT 48 28.9 N 125 22.4 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	62.7	303.2
2SK5	.2	.1	78.4	201.4
2MN6	.2	.1	.4	82.5
M6	.3	0.0	1.1	41.7
2MS6	.2	0.0	36.2	118.9
2MK6	.1	.1	128.1	216.0
2SM6	.2	-.1	22.3	158.4
MSK6	0.0	0.0	138.8	55.6
3MK7	.1	0.0	166.0	.4
M8	.1	0.0	112.3	249.7

TIDAL CURRENT ELLIPSE

Stn CZ2 Depth 0050m PACHENA POINT 48 21.8 N 125 35.3 W

Starting time of analysed data 00 Min 15 Hr 27 Day 11 Mon 79 Yr PST
Length of Data 242 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	.9	0.0	160.5	180.0
SSA	6.2	-.7	159.8	235.6
MSM	3.1	.5	134.2	230.3
MM	2.6	0.0	159.7	294.6
MSF	2.8	-.2	14.9	124.8
MF	3.3	-.4	45.7	216.5
ALP1	.4	.3	2.3	350.0
2Q1	.4	0.0	69.6	268.6
SIG1	.3	0.0	90.5	349.2
Q1	.7	0.0	140.5	299.4
RHO1	.6	-.3	78.2	307.5
O1	4.4	-2.3	154.2	262.7
TAU1	.7	-.3	41.4	137.0
BET1	.5	-.1	149.7	248.6
NO1	.9	-.4	137.3	251.5
CHI1	.4	.2	14.4	303.8
P1	2.4	-1.4	143.6	282.9
K1	9.1	-5.2	149.6	272.9
PHI1	.8	-.2	37.9	12.4
THE1	.5	0.0	108.1	331.8
J1	.6	-.1	135.5	292.3
SO1	.8	0.0	141.2	22.5
OO1	1.1	-.5	148.5	338.9
UPS1	1.1	-.2	90.0	159.5
OQ2	.4	-.3	93.4	269.4
EPS2	.6	-.3	92.3	320.7
2N2	1.0	-.9	134.0	296.2
MU2	.5	-.4	15.4	297.2
N2	2.2	-1.5	9.1	12.2
NU2	.9	-.8	11.0	358.7
M2	8.8	-7.3	10.9	47.4
MKS2	1.7	-1.3	42.5	332.0
LDA2	.2	-.2	120.0	9.3
L2	.9	-.2	94.0	140.6
S2	1.5	-1.3	101.4	318.9
K2	1.1	-.5	110.3	276.3
MSN2	.3	-.1	113.1	68.4
ETA2	.7	-.2	42.0	85.3
MO3	.3	-.1	14.6	324.2
M3	.2	0.0	108.4	330.6
SO3	.3	.1	127.3	22.1
MK3	.6	-.5	26.9	304.9
SK3	.2	0.0	57.4	289.1
MN4	.3	-.1	83.1	293.1
M4	.2	-.1	127.4	67.6
SN4	.2	0.0	113.9	327.9
MS4	.3	-.2	102.9	312.5
MK4	.3	-.2	13.5	42.2
S4	.2	.1	155.3	39.9
SK4	.2	-.1	175.1	161.3

Continued

Stn CZ2 Depth 0050m PACHENA POINT 48 21.8 N 125 35.3 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	-.1	67.7	192.3
2SK5	.2	0.0	129.3	29.8
2MN6	.1	0.0	14.6	124.5
M6	.2	0.0	46.2	86.0
2MS6	.2	0.0	29.4	77.2
2MK6	.4	0.0	47.5	103.5
2SM6	.1	0.0	77.4	344.6
MSK6	.2	.1	164.3	113.1
3MK7	.1	0.0	100.0	335.5
M8	.1	0.0	14.4	187.3

TIDAL CURRENT ELLIPSE

Stn CZ2 Depth 0100m PACHENA POINT 48 21.8 N 125 35.3 W

Starting time of analysed data 00 Min 15 Hr 27 Day 11 Mon 79 Yr PST
Length of Data 242 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.4	0.0	19.5	360.0
SSA	6.9	-.8	165.0	252.5
MSM	1.8	0.0	140.0	252.1
MM	1.7	.2	160.2	297.7
MSF	.7	.1	173.6	274.2
MF	2.3	-.8	19.6	232.4
ALP1	.3	-.3	107.5	164.5
2Q1	.5	.4	101.6	183.6
SIG1	.6	-.1	7.1	143.4
Q1	1.3	-.9	114.0	314.1
RHO1	.5	.1	139.7	303.7
O1	4.3	-2.2	154.0	271.0
TAU1	.5	-.3	42.8	135.1
BET1	.7	-.2	109.1	333.2
NO1	.6	-.2	179.3	244.4
CHI1	.6	-.1	48.2	332.3
P1	2.3	-1.4	150.7	288.1
K1	9.5	-4.8	150.6	282.8
PHI1	.3	-.3	24.4	32.4
THE1	.8	-.5	75.8	326.7
J1	.7	.1	137.1	304.0
SO1	.4	.1	12.3	262.0
OO1	1.0	-.5	3.5	67.4
UPS1	.4	.2	146.8	234.5
OQ2	.4	-.3	126.7	303.0
EPS2	.6	-.4	31.8	324.7
2N2	.6	-.5	99.1	222.2
MU2	.6	-.5	61.7	292.6
N2	1.4	-1.0	2.2	41.0
NU2	.8	-.6	105.9	155.2
M2	4.2	-2.8	172.0	254.1
MKS2	1.9	-1.2	32.2	231.5
LDA2	.7	-.5	47.5	341.1
L2	.3	-.1	160.2	137.3
S2	2.4	-1.8	173.7	250.8
K2	.7	-.5	163.9	333.3
MSN2	.3	-.2	86.2	211.4
ETA2	.7	-.3	69.2	106.1
MO3	.3	-.1	22.6	316.5
M3	.4	-.1	20.9	338.5
SO3	.2	-.1	142.8	234.4
MK3	.5	-.3	53.3	208.6
SK3	.3	0.0	29.7	258.4
MN4	.1	-.1	149.4	63.5
M4	.4	-.2	75.4	175.0
SN4	.3	-.2	53.2	198.4
MS4	.2	-.1	7.0	165.5
MK4	.1	0.0	48.9	132.9
S4	.2	.1	116.7	209.3
SK4	.4	-.1	61.9	253.3

Continued

Stn C22 Depth 0100m PACHENA POINT 48 21.8 N 125 35.3 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	112.9	223.5
2SK5	.2	-.1	54.5	53.8
2MN6	.1	0.0	83.1	119.9
M6	.2	0.0	72.0	159.0
2MS6	.2	0.0	49.7	157.2
2MK6	.3	-.1	91.9	196.8
2SM6	.2	-.1	40.4	101.2
MSK6	.2	0.0	35.3	64.5
3MK7	.2	0.0	158.8	165.8
M8	.1	0.0	34.7	54.7

TIDAL CURRENT ELLIPSE

Stn E03 Depth 0063m ESTEVAN POINT 49 06.1 N 127 08.2 W

Starting time of analysed data 00 Min 17 Hr 22 Day 01 Mon 80 Yr PST
Length of Data 54 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	17.2	0.0	137.5	0.0
MM	5.2	-1.6	171.2	106.1
MSF	4.6	.3	16.9	35.7
ALP1	.9	.5	139.7	128.8
2Q1	.7	.1	20.3	127.4
Q1	.7	.1	64.4	83.1
O1	2.0	-1.2	64.3	62.1
NO1	.7	-.2	56.2	345.0
K1	3.0	-1.3	114.5	69.4
J1	.8	.1	11.1	210.7
OO1	.8	-.1	128.6	95.2
UPS1	1.9	-.9	115.6	36.8
EPS2	.9	-.1	70.1	186.5
MU2	1.1	-.9	137.2	271.1
N2	2.1	-.9	99.5	261.7
M2	3.4	0.0	125.1	344.1
L2	2.1	-1.7	41.0	338.0
S2	2.3	-1.0	137.7	18.7
ETA2	.6	-.1	5.7	85.3
MO3	.2	-.1	120.1	6.8
M3	.3	0.0	62.4	317.8
MK3	.6	-.2	170.4	123.1
SK3	.3	-.1	56.0	337.5
MN4	.4	-.2	36.6	218.9
M4	1.0	-.4	42.8	123.2
SN4	.3	-.2	143.6	112.8
MS4	.3	-.2	15.0	232.6
S4	.2	.1	144.2	169.9
2MK5	.3	-.2	153.8	46.7
2SK5	.2	0.0	74.8	316.3
2MN6	.2	-.1	86.6	291.7
M6	.2	-.2	9.7	267.4
2MS6	.2	.1	42.9	201.9
2SM6	.3	.1	85.1	145.3
3MK7	.1	0.0	3.4	220.8
M8	.1	-.1	94.5	182.0

TIDAL CURRENT ELLIPSE

Stn E04 Depth 0084m ESTEVAN POINT 48 57.5 N 127 20.2 W

Starting time of analysed data 00 Min 12 Hr 26 Day 01 Mon 80 Yr PST
Length of Data 78 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	4.9	0.0	111.8	0.0
MM	4.1	-1.1	116.8	63.1
MSF	2.5	-.9	128.0	109.5
ALP1	.2	-.1	80.8	298.2
2Q1	.5	-.2	37.5	2.8
Q1	.5	0.0	125.4	12.8
O1	.7	-.3	119.2	14.7
NO1	.3	.1	84.8	82.1
K1	1.3	-.1	89.9	93.8
J1	.5	-.2	68.9	83.5
OO1	.5	-.1	83.3	128.8
UPS1	.6	.1	141.4	17.5
EPS2	.7	-.4	92.8	338.2
MU2	.7	-.5	141.1	314.3
N2	.6	.1	140.1	351.0
M2	4.3	-1.8	117.0	5.7
L2	.6	-.4	137.7	207.8
S2	3.1	-1.7	135.1	22.3
ETA2	.4	0.0	173.2	297.5
MO3	.3	-.2	6.0	45.8
M3	.3	-.2	55.2	71.3
MK3	.3	.1	24.0	321.8
SK3	.3	0.0	169.5	87.2
MN4	.3	0.0	79.1	184.7
M4	.6	0.0	68.2	224.0
SN4	.3	-.2	15.9	215.2
MS4	.5	.2	74.0	339.0
S4	.4	-.1	15.9	170.6
2MK5	.1	0.0	158.9	300.6
2SK5	.3	0.0	39.1	211.8
2MN6	.2	0.0	.8	343.9
M6	.3	-.2	134.7	187.6
2MS6	.2	0.0	144.6	274.6
2SM6	.1	0.0	69.5	268.3
3MK7	.1	-.1	154.6	344.4
M8	.2	0.0	76.1	108.4

PART

5A

DATA RECORD OF CURRENT OBSERVATIONS
VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)
PART 5A

W.S. Huggett, W.R. Crawford, R.E. Thomson, M.V. Woodward

INSTITUTE OF OCEAN SCIENCES

SIDNEY, B.C.

DATA RECORD OF CURRENT OBSERVATIONS

VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)

PART 5A

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INSTITUTE OF OCEAN SCIENCES

SIDNEY, B.C.

1987

ABSTRACT

Current meter data from the west coast of Vancouver Island for the years 1979-81 are summarized. Temperature and salinity measurements coincident with the current observations are also shown. Tidal data from both onshore and offshore pressure gauges are given in Part 1.

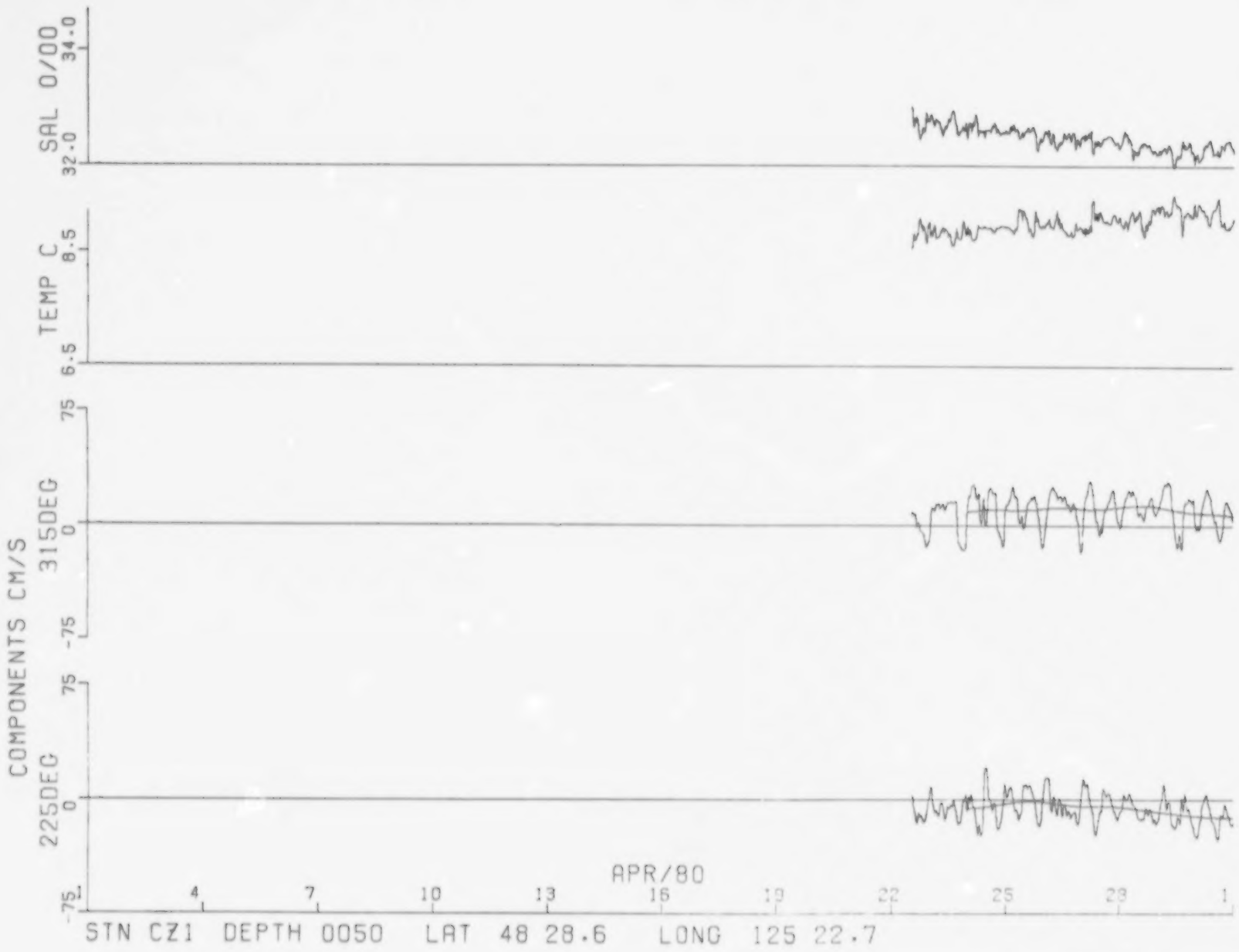
INDEX (Parts A & B)

Station	Depth		Start Time				Length		Page
CZ1	50		13	22	4	80	94		2
CZ1	50							Harmonic Analysis	413
CZ1	50	30	14	22	10	80	108		9
CZ1	50							Harmonic Analysis	414
CZ1	100		13	22	4	80	94		18
CZ1	100							Harmonic Analysis	415
CZ1	100	30	14	22	10	80	108		25
CZ1	100							Harmonic Analysis	416
CZ2	50		16	22	10	80	107		33
CZ2	100	30	16	22	10	80	107		41
CZ3	50		14	11	06	80	84		50
CZ3	100		14	11	06	80	99		58
CZ3	200		14	11	06	80	99		66
CZ3	200							Harmonic Analysis	417
CZ4	50		12	01	06	80	99		74
CZ4	100		12	01	06	80	99		82
CZ4	250		12	01	06	80	99		90
CZ4	500		12	01	06	80	99		98
CB1	50		16	14	06	80	97		106
CB1	50		10	22	09	80	135		114
CB1	50		10	07	02	81	116		123
CB1	100		16	14	06	80	97		132
CB1	100		10	22	09	80	135		140
CB1	100	30	10	07	02	81	116		149
NO1	15		8	07	05	80	65		157
NO1	48		8	07	05	80	129		165
NO1	48							Harmonic Analysis	418
EO1	45		11	07	05	80	129		173
EO1	45						234	Harmonic Analysis	419
EO1	81		11	07	05	80	129		181
E1A	15		10	07	05	80	129		189
E1A	15							Harmonic Analysis	421

Station	Depth	Start Time					Length		Page
E1B	6	15	08	07	05	80	79		197
E1B	6	0					129	Harmonic Analysis	422
E1B	6	30	15	31	07	80	44		204
E02	45	30	12	07	05	80	131		209
E02	49						236	Harmonic Analysis	423
E02	116	30	12	07	05	80	131	Harmonic Analysis	217
E2A	15	30	13	07	05	80	131		225
E2A	15							Harmonic Analysis	425
E2B	60	30	15	07	05	80	102		234
E2B	60							Harmonic Analysis	426
E03	55	30	20	07	05	80	108		242
E03	55							Harmonic Analysis	427
E03	350	30	19	07	05	80	88		250
E03	555	30	20	07	05	80	128		257
E03	750	30	20	07	05	80	128		265
E04	50	30	09	08	05	80	125		273
E04	50							Harmonic Analysis	428
E04	350		10	08	05	80	127		281
E04	550		10	08	05	80	127		289
E04	1000		10	08	05	80	127		297
E04	1250		10	08	05	80	127		305
E05	55		14	08	05	80	114		313
E05	153		14	08	05	80	123		321
E05	153							Harmonic Analysis	429

PART "A"

PAGES 1 - 172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225DEG
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0
-75
APR/80
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19
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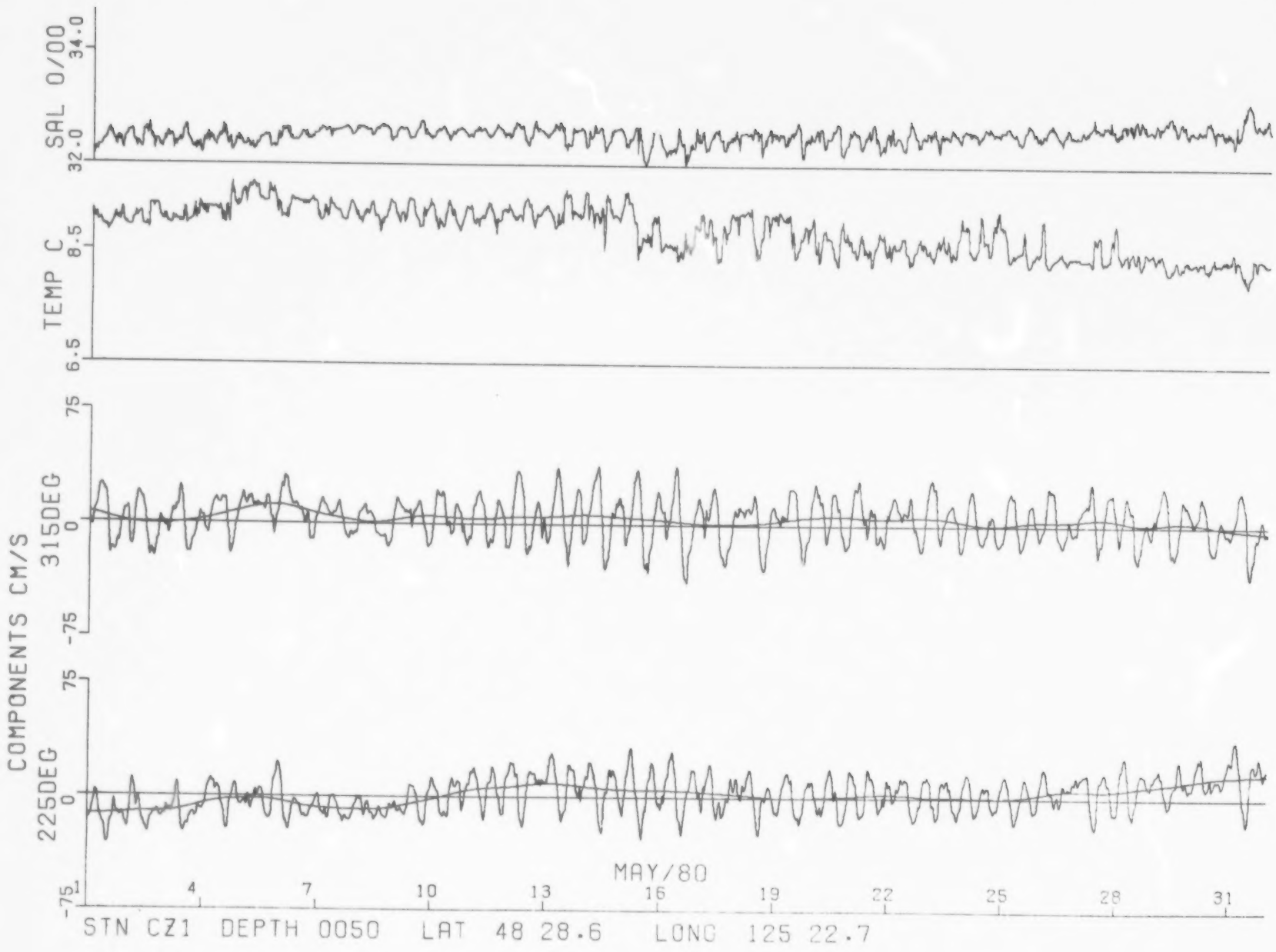
STN CZ1 DEPTH 0050 LAT 48 28.6 LONG 125 22.7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TEMP C
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75
0
-75
MAY/80
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4
7
10
13
16
19
22
25
28
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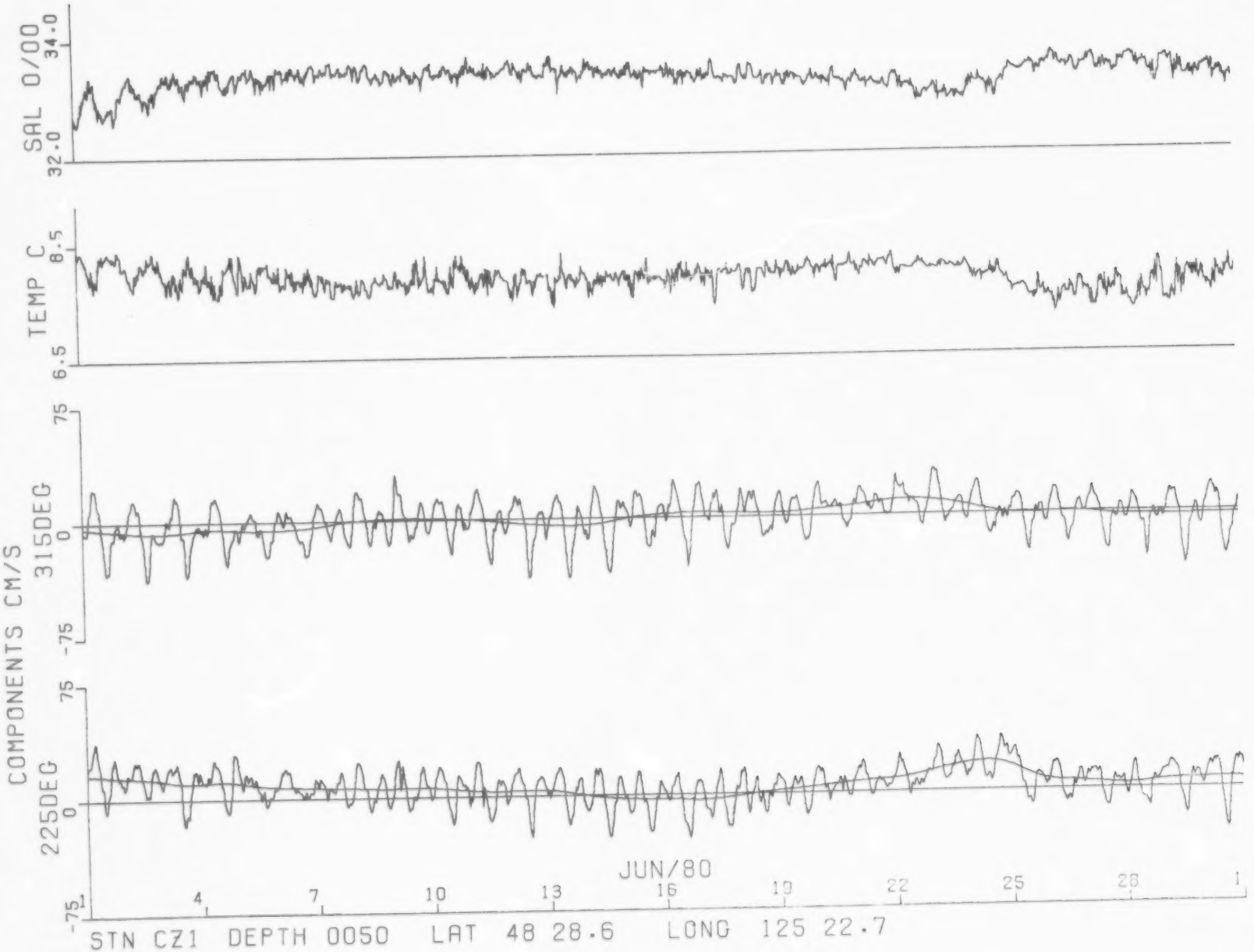
STN CZ1 DEPTH 0050 LAT 48 28.6 LONG 125 22.7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0
-75
225DEG
75
0
-75
JUN/80
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4
7
10
13
16
19
22
25
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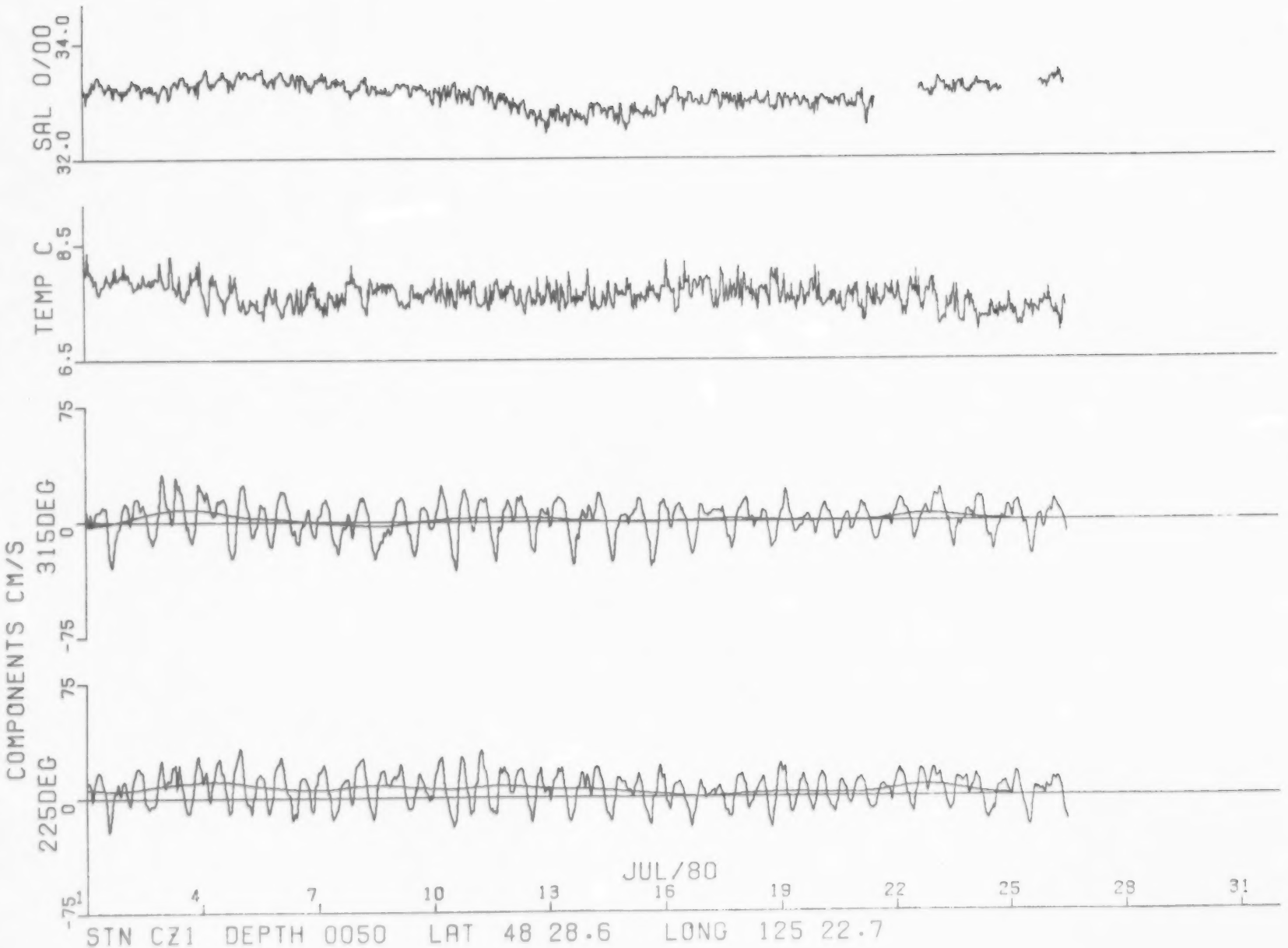
STN CZ1 DEPTH 0050 LAT 48 28.6 LONG 125 22.7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32.0
TEMP C
8.5
6.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN CZ1 DEPTH 0050 LAT 48 28.6 LONG 125 22.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ1 Depth 0050 PACHENA POINT 48 28.6 N 125 22.7 W Length of record .EQ. 94 Days
Start of record 0 mn 13 hr 22 dy 4 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	019	031	024	006	005																				87
10- 19	001	022	031	024	006	002																				86
20- 29	005	017	033	012	003	001																				71
30- 39	003	030	030	013	008		001																			85
40- 49		033	031	014	008	001																				87
50- 59	001	019	027	019	005	002	001																			74
60- 69	003	015	022	028	011	007																				86
70- 79	001	015	028	032	013	005	006																			100
80- 89	001	015	030	027	014	012	007																			106
90- 99	001	014	024	022	021	011	003	001																		97
100-109	001	008	021	025	020	013	006	004																		98
110-119	004	010	025	021	015	011	005	005																		96
120-129	003	012	020	021	010	010	005	005																		86
130-139	002	015	031	019	013	016	007	005																		108
140-149	003	014	030	013	026	006	004	002																		98
150-159	002	013	027	018	012	005	001	002																		80
160-169	002	012	028	018	009	003	002	002	002																	78
170-179		027	045	028	012	003	003	002																		120
180-189	002	021	031	017	016	002	002	001																		92
190-199	006	020	047	020	012	002	003																			110
200-209		025	062	026	018	005	003																			139
210-219	002	018	056	034	012	006	001																			129
220-229	003	036	046	040	021	011	003	002																		162
230-239	005	032	047	037	026	009	003	003																		162
240-249	004	040	054	051	033	018	004	004	001																	209
250-259	003	031	042	061	035	027	010	005	001																	215
260-269	003	029	056	057	073	017	015	004	002																	256
270-279	006	041	065	056	050	024	012	006	002																	262
280-289		028	051	056	039	015	006	003	001																	199
290-299	004	037	053	043	029	020	006	007	001																	200
300-309	004	036	043	031	031	010	003	002																		160
310-319	001	029	032	032	029	008	002	002																		135
320-329	001	026	042	035	021	016	002																			143
330-339	002	026	032	043	020	005																				128
340-349	005	024	024	034	017	005	003																			112
350-359	004	022	029	028	011	007	001																			102
	831		1079		320		67		0		0		0		0		0		0		0		0		0	4558
	90	1326		705		130		10		0		0		0		0		0		0		0		0		

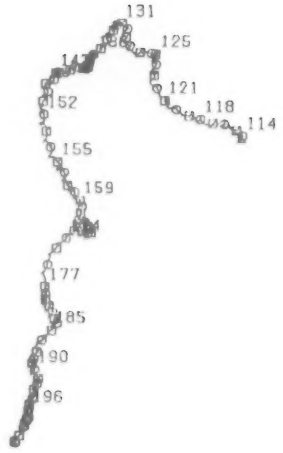
Number of zero rates: 0

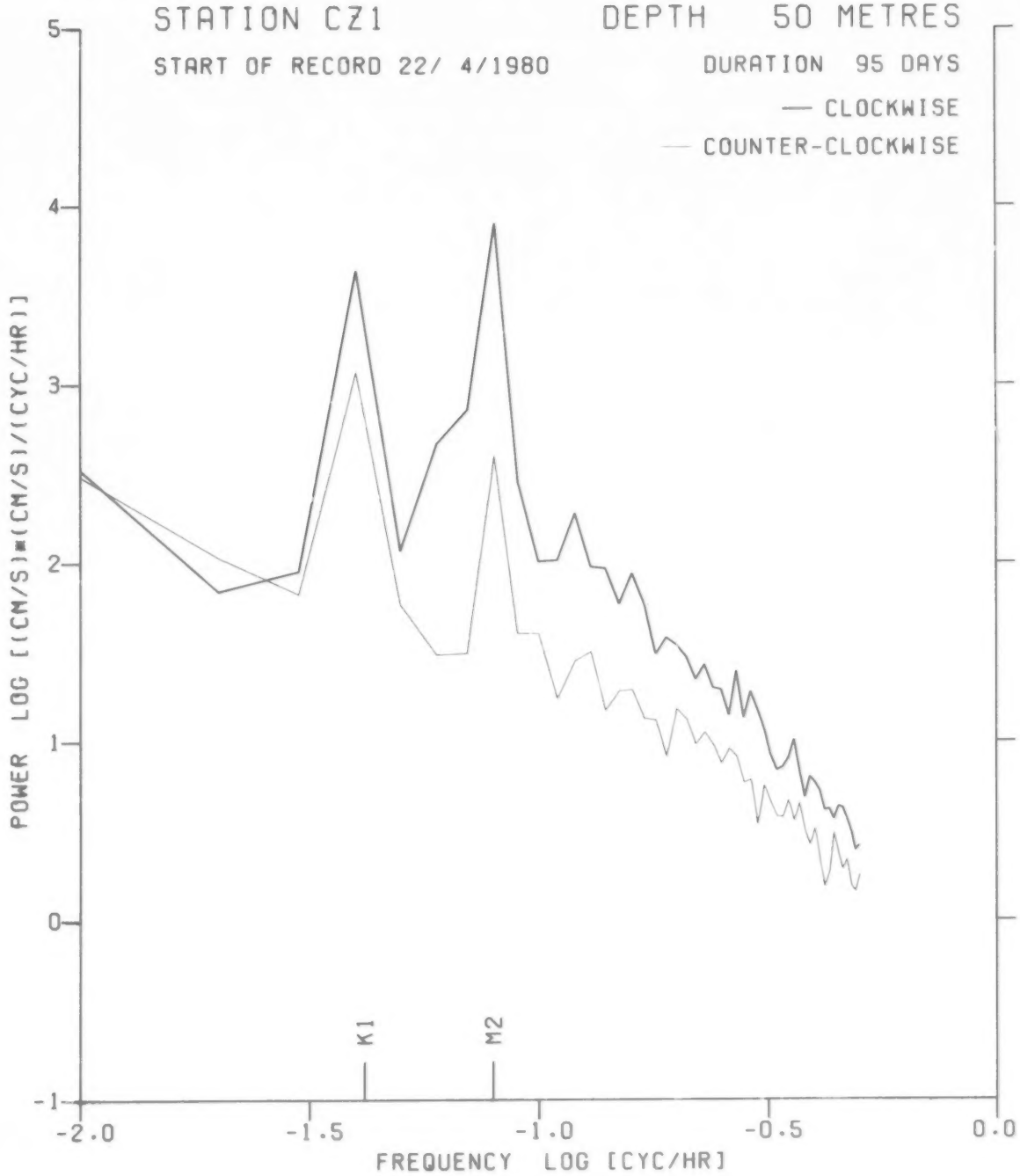
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

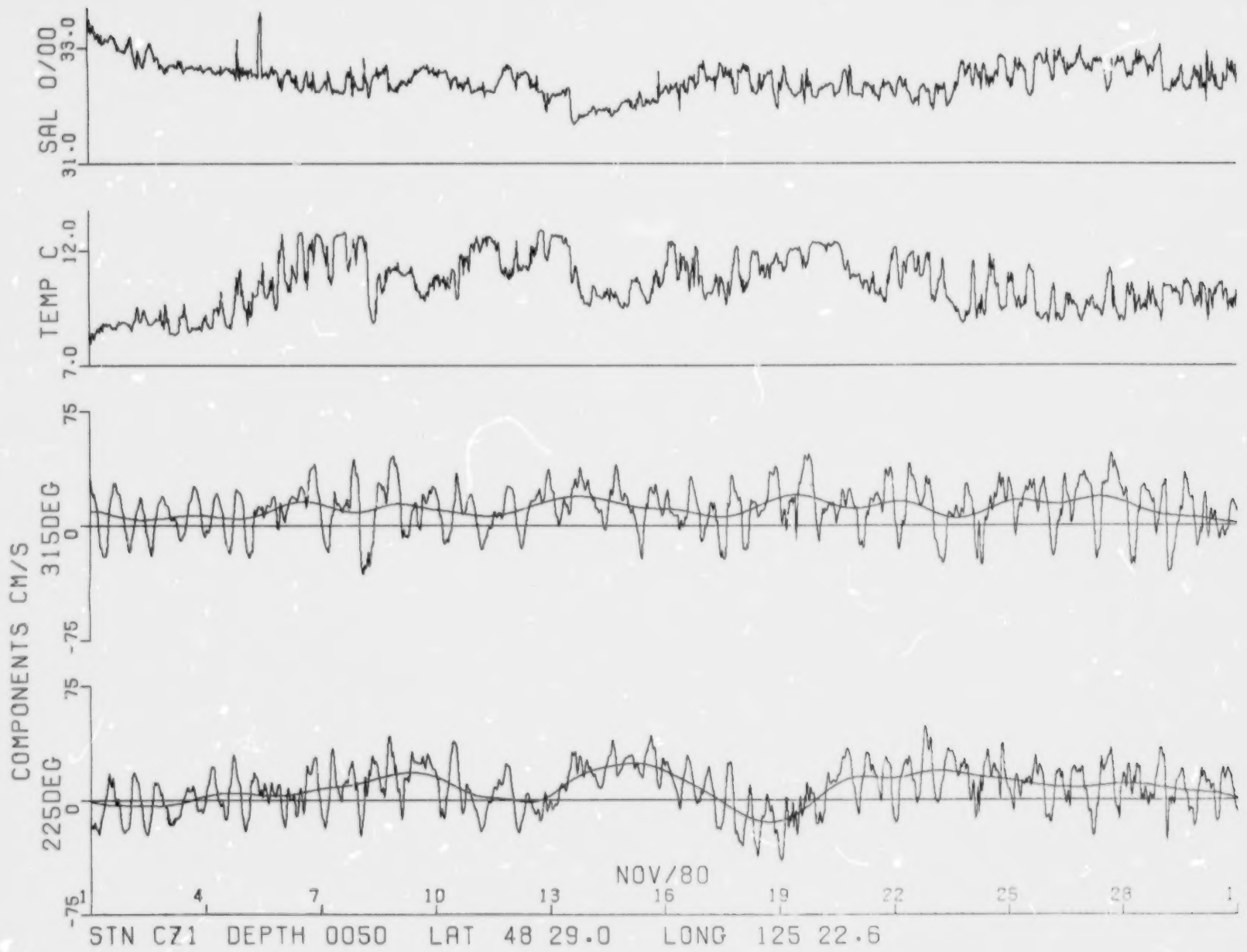
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ1	0050M	8500	113/80	95

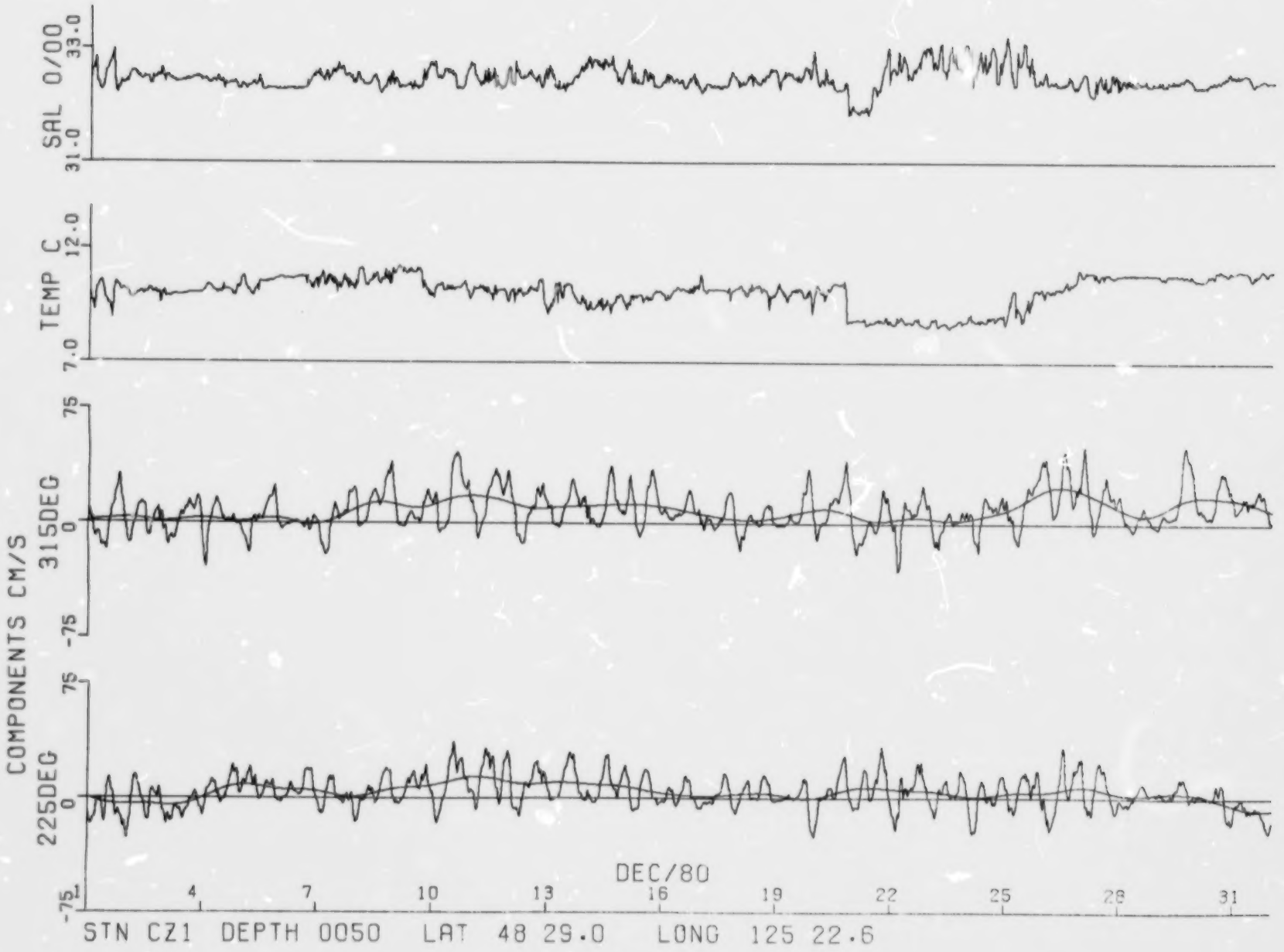
SCALE
100 KM

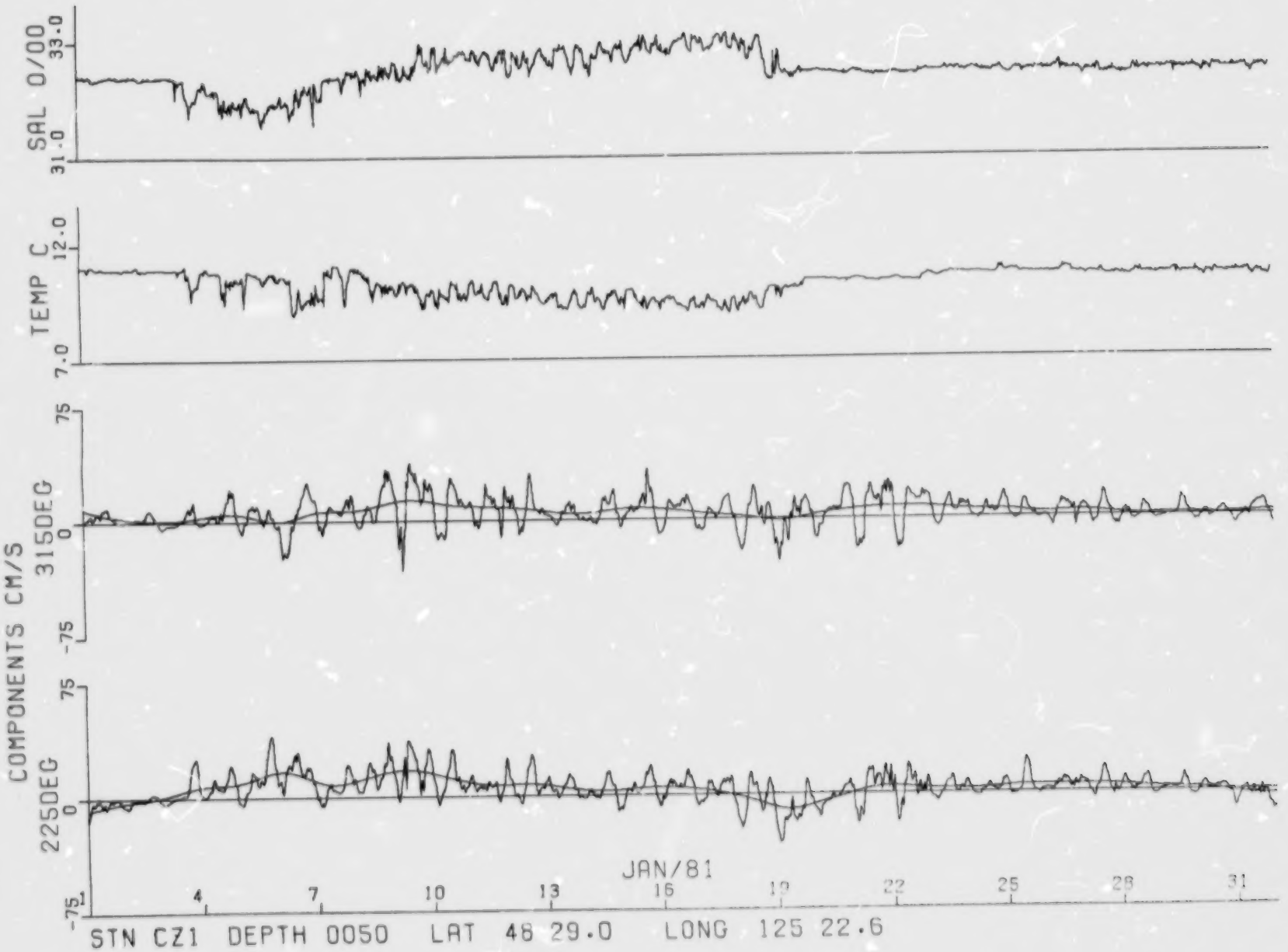


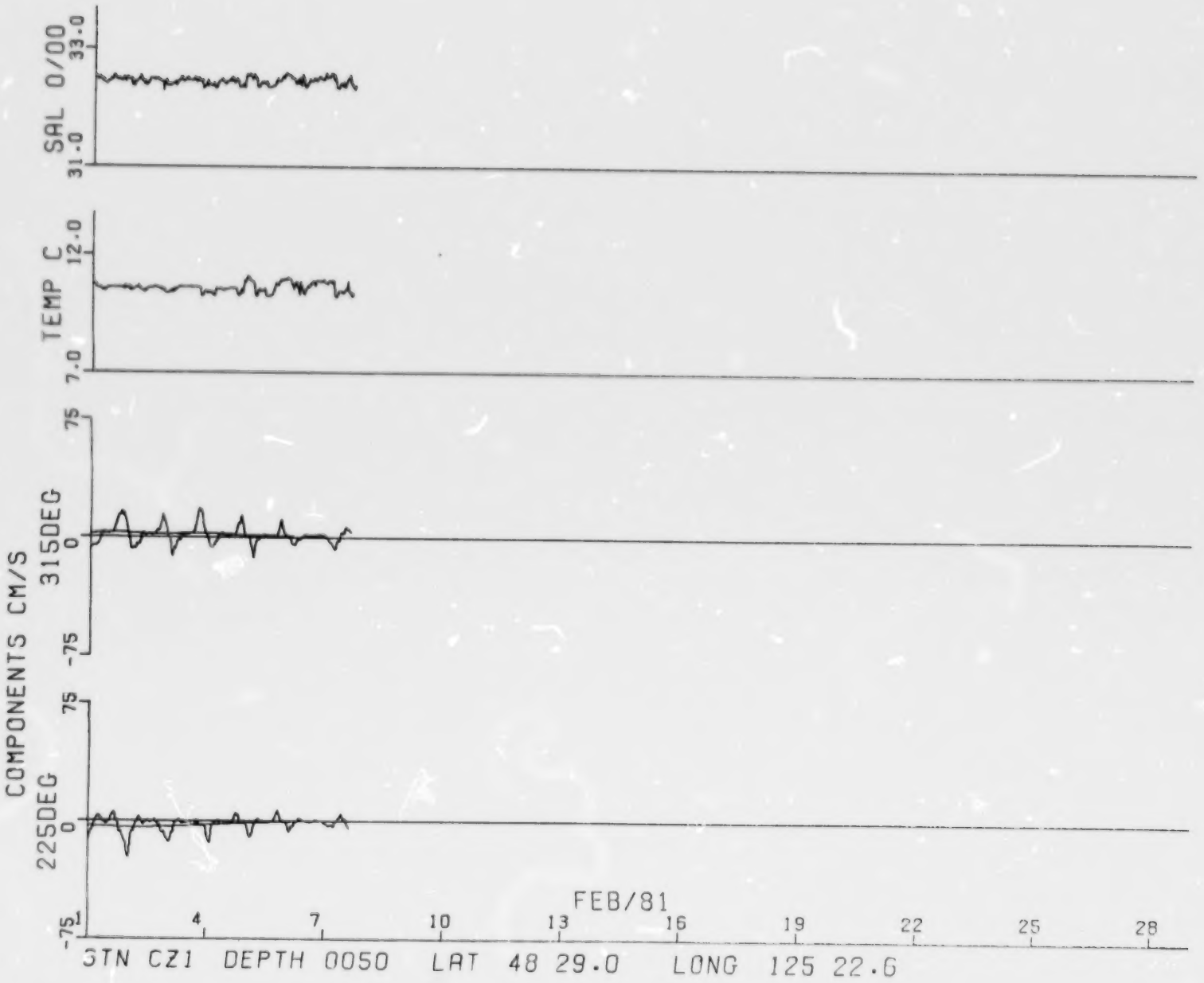

STATION CZ1
DEPTH 50 METRES
START OF RECORD 22/ 4/1980
DURATION 95 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
7.0
12.0
31.0
33.0
OCT/80
4
7
10
13
16
19
22
25
28
31


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ1 DEPTH 0050 LAT 48 29.0 LONG 125 22.6


SAL 0/00
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/80
4
7
10
13
16
19
22
25
28
31
STN CZ1 DEPTH 0050 LAT 48 29.0 LONG 125 22.6


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/81
4
7
10
13
16
19
22
25
28
31
STN CZ1 DEPTH 0050 LAT 46 29.0 LONG 125 22.6


SAL 0/00
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/81
4
7
10
13
16
19
22
25
28
STN CZ1 DEPTH 0050 LAT 48 29.0 LONG 125 22.6

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ1 Depth 0050 PACHENA POINT 48 29.0 N 125 22.6 W Length of record .EQ. 108 Days
Start of record 30 mn 14 hr 22 dy 10 mo 80 yr PST Rate of obser. = 2 per Hour

DIR	001 to 004 cm/s	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	029	025	017	010	008	004	001			002																96
10- 19	019	017	017	014	005	003	007		001																	83
20- 29	017	022	017	016	012	001		002	001																	88
30- 39	017	013	010	026	006	002	003																			77
40- 49	016	014	018	014	008	001	001	001																		73
50- 59	012	017	020	011	008	001																				69
60- 69	009	015	014	010	011	004	001																			64
70- 79	016	012	024	010	016	005	002	001																		86
80- 89	014	022	020	018	014	004		002																		94
90- 99	021	023	017	021	010	005		001																		98
100-109	023	016	018	021	010	002	001																			91
110-119	021	015	007	012	007		003																			65
120-129	021	012	010	013	012	003	001																			72
130-139	016	011	008	010	006	002	002																			55
140-149	015	006	010	010	006	006	001																			54
150-159	023	009	011	009	005	002																				59
160-169	022	008	014	007	006	005	004																			66
170-179	026	018	016	007	009	007	003																			86
180-189	018	017	013	010	007	006	002																			73
190-199	023	012	016	013	008	004	002																			78
200-209	026	016	022	017	008	003	002	001																		95
210-219	024	021	018	014	010	009	002	001																		99
220-229	024	025	019	025	012	005	007	003																		120
230-239	016	020	032	038	021	016	015	003	002																	163
240-249	025	032	035	026	031	019	015	005	001	002	001															192
250-259	013	041	047	051	051	035	018	011	010	005	002															284
260-269	021	047	050	054	034	034	036	034	011	003	002															326
270-279	031	036	067	077	048	046	043	030	018	005	002	004														407
280-289	029	057	095	069	048	029	040	023	022	015	012	002														441
290-299	023	064	062	054	043	038	016	013	006	005	001															325
300-309	043	044	048	051	027	017	023	013	006	007	002															281
310-319	044	036	051	043	034	013	014	011	008	003																257
320-329	049	036	035	032	020	008	010	011																		201
330-339	056	050	022	033	019	011	007	004																		202
340-349	039	034	021	026	018	011	002	002	004																	157
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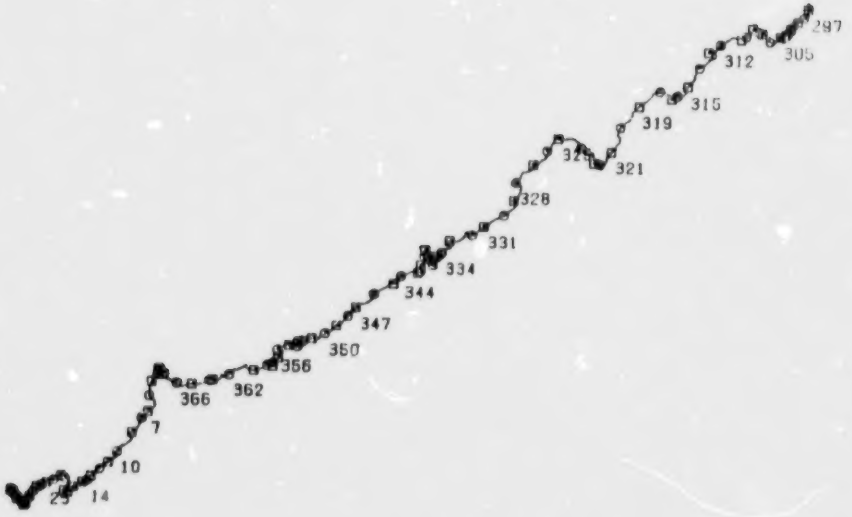
Number of zero rates: 0

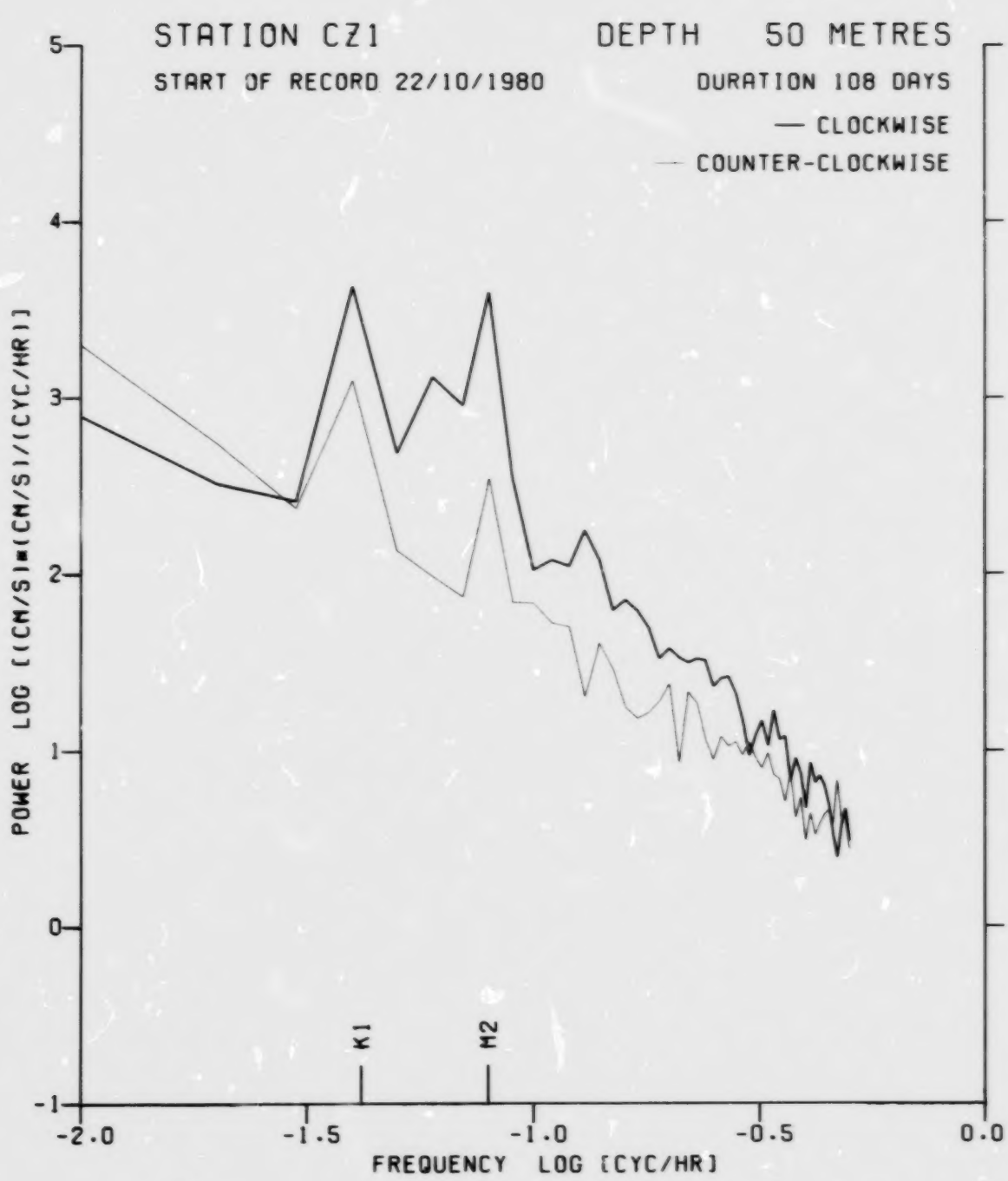
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

ØODD NUMBERED DAYS
ØEVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ1	0050M	8500	296/80	108

SCALE
100 KM

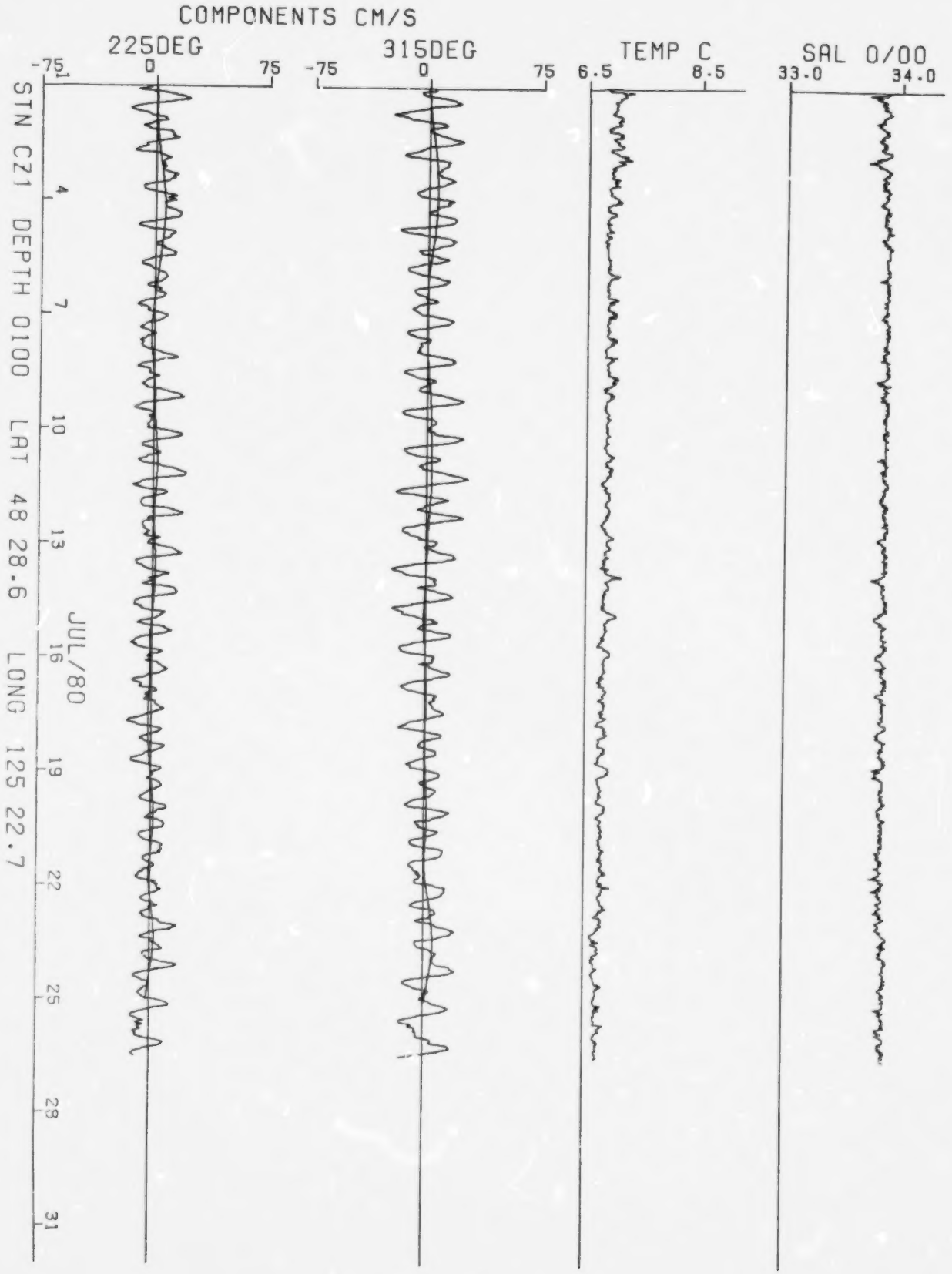



STATION CZ1
DEPTH 50 METRES
START OF RECORD 22/10/1980
DURATION 108 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN CZ1 DEPTH 0100 LAT 48 28.6 LONG 125 22.7
APR/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
6.5
8.5
33.0
34.0

SAL 0/00
33.0
34.0
TEMP C
6.5
8.5
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
STN CZ1 DEPTH 0100 LAT 48 28.6 LONG 125 22.7
MAY/80
1
4
7
10
13
16
19
22
25
28
31

SAL 0/00
33.0
34.0
TEMP C
6.5
8.5
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JUN/80
4
7
10
13
16
19
22
25
28
1
STN CZ1 DEPTH 0100 LAT 48 28.6 LONG 125 22.7


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
6.5
8.5
33.0
34.0
STN CZ1 DEPTH 0100 LAT 48 28.6 LONG 125 22.7
JUL/80
4
7
10
13
16
19
22
25
28
31

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ1 Depth 0100 PACHENA POINT 48 28.6 N 125 22.7 W Length of record .EQ. 94 Days
Start of record 0 mn 13 hr 22 dy 4 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	009	053	018	011	003																					94
10- 19	007	045	029	007	007																					95
20- 29	010	044	020	007	006																					87
30- 39	010	045	013	009	007																					84
40- 49	003	042	022	006	006	004		001	001																	85
50- 59	010	042	021	009	006	012	001	001																		102
60- 69	004	054	038	014	007	006	001	004	001																	129
70- 79	004	041	046	017	011		002		002	001																124
80- 89	003	039	031	028	012	003	002		001	001																120
90- 99	007	032	039	029	011	011	003		001																	133
100-109	003	033	054	040	021	012	004																			167
110-119	006	034	047	045	016	005	004																			157
120-129	005	034	038	032	004	002	001																			116
130-139	005	039	050	014	008																					116
140-149	002	037	023	011	002																					75
150-159	008	046	026	006	001																					87
160-169	004	029	016	009																						58
170-179	006	028	026	006																						66
180-189	001	028	022	002	002	001																				56
190-199	006	036	020	006	003																					71
200-209	007	038	021	006																						72
210-219	002	039	038	012	002																					93
220-229	008	044	035	014	004																					105
230-239	004	039	045	022	009	001	002																			122
240-249	004	030	060	027	018	005	002	002																		148
250-259	005	048	065	041	022	006	004	001	002																	194
260-269	005	057	100	065	056	028	002	002																		315
270-279	007	052	084	075	046	016	011																			291
280-289	005	057	074	075	043	018	005																			277
290-299	005	045	080	053	026	003	002																			214
300-309	002	049	050	046	011		001																			159
310-319	008	044	057	025	003		001																			138
320-329	005	048	031	014	002		001																			101
330-339	006	061	041	013	005	001																				127
340-349	004	054	020	011	002	001																				92
350-359	004	046	023	011	005																					89
	1532		818		135		11		2		0		0		0		0		0		0		0		0	4559
	194	1423		387		49		8		0		0		0		0		0		0		0		0		

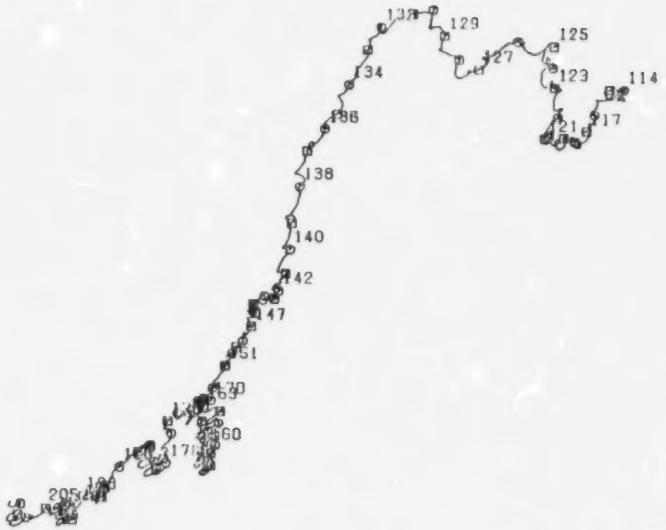
Number of zero rates: 0

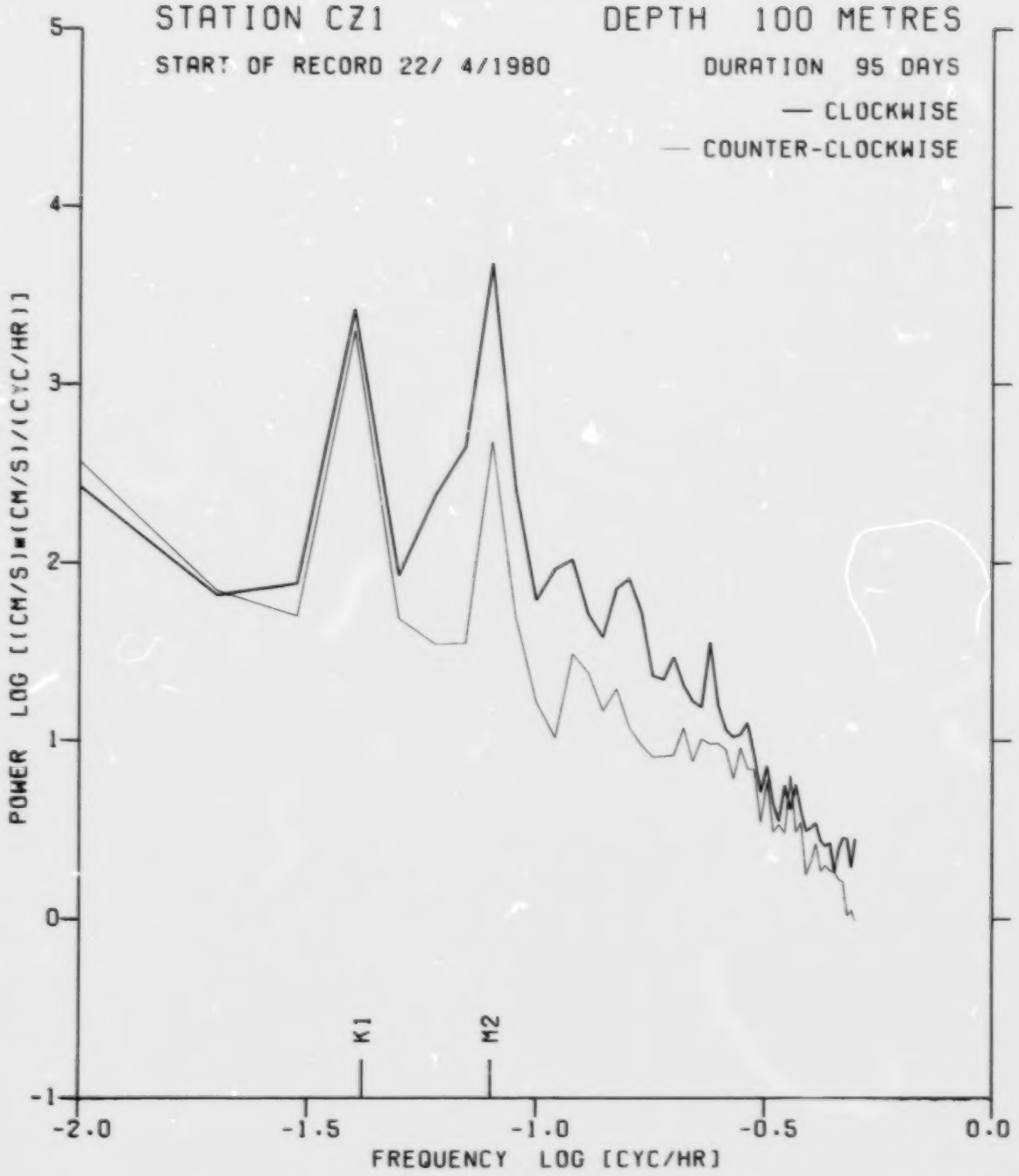
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

◭ODD NUMBERED DAYS
◎EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ1	0100M	8500	113/80	95

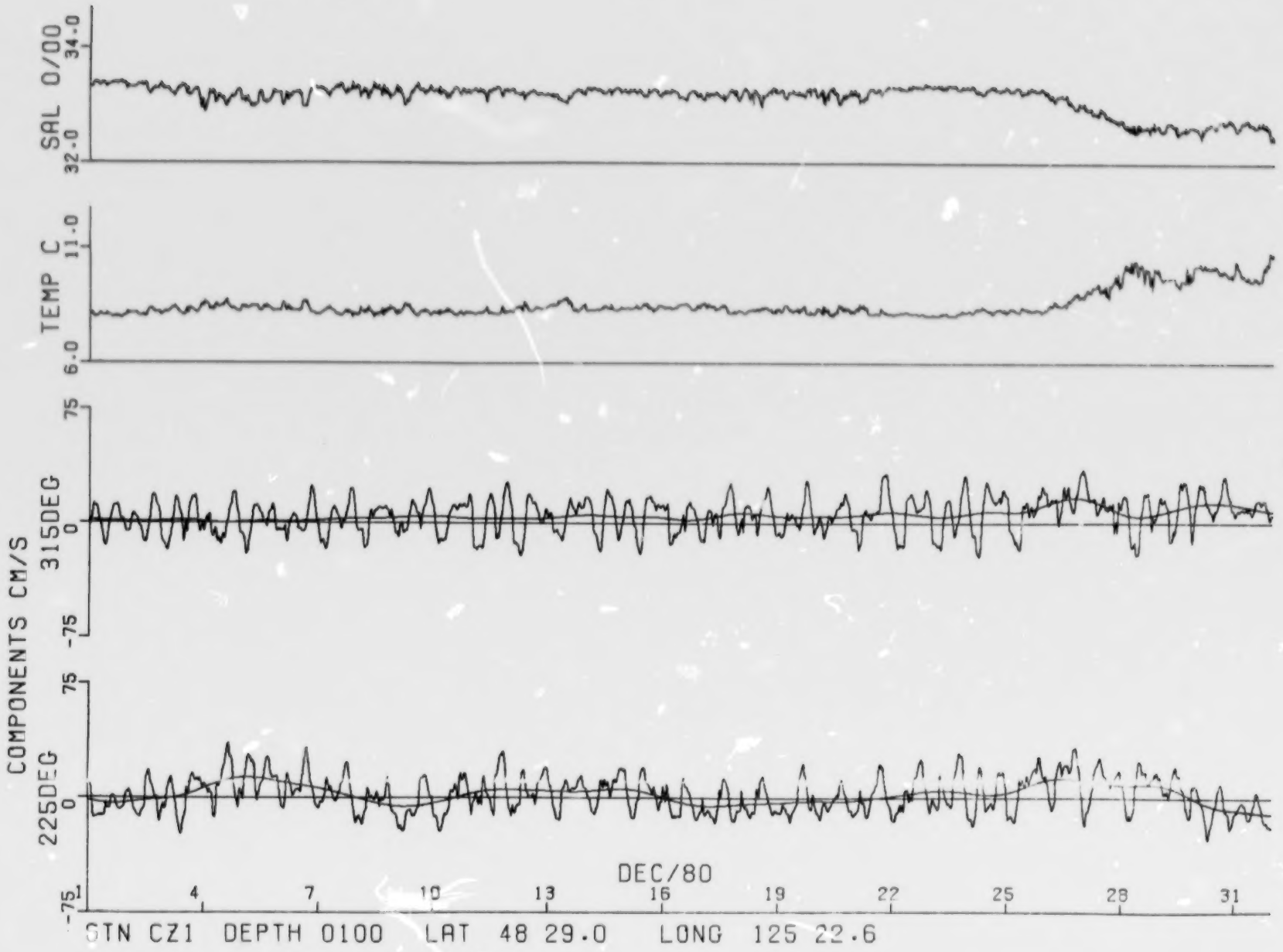
SCALE ⊢——+——+——+——⊣
100 KM




STATION CZ1
DEPTH 100 METRES
START OF RECORD 22/ 4/1980
DURATION 95 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN CZ1 DEPTH 0100 LAT 48 29.0 LONG 125 22.6
OCT/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
6.0
11.0
32.0
34.0

SAL 0/00
32.0
34.0
TEMP C
6.0
11.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
SIN CZ1 DEPTH 0100 LAT 48 29.0 LONG 125 22.6
NOV/80
1
4
7
10
13
16
19
22
25
28


SAL O/OO
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ1 DEPTH 0100 LAT 48 29.0 LONG 125 22.6

STN CZ1 DEPTH 0100 LAT 48 29.0 LONG 125 22.6
JAN/81
1 4 7 10 13 16 19 22 25 28 31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75 0 -75
6.0 11.0
32.0 34.0

STN CZ1 DEPTH 0100 LAT 48 29.0 LONG 125 22.6
FEB/81
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
6.0
11.0
32.0
34.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ1 Depth 0100 PACHENA POINT 48 29.0 N 125 22.6 W Length of record .EQ. 100 Days
Start of record 30 mn 14 hr 22 dy 10 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		021	059	026	005																					111
10- 19		023	051	023	006	001																				104
20- 29	001	032	065	019	004	004																				125
30- 39	001	015	030	025	001	001																				73
40- 49	002	019	036	016	005																					78
50- 59	001	019	044	015	007																					86
60- 69	002	016	049	031	008	001																				107
70- 79	001	017	055	045	019																					137
80- 89		016	042	047	024																					129
90- 99	001	013	035	049	024	004	002																			128
100-109		015	041	051	019	002																				128
110-119		013	038	047	016																					114
120-129		006	040	028	013	002																				89
130-139		007	041	027	006																					81
140-149		014	029	023	006	002																				74
150-159	002	016	035	015	005	001																				74
160-169	001	023	036	013	008																					81
170-179		016	025	021	007	002																				71
180-189	001	016	042	026	004	004																				93
190-199		008	041	020	007	003																				79
200-209		022	041	025	007	003																				98
210-219		010	040	022	016	006	001																			95
220-229		018	044	037	028	013	003																			143
230-239		018	050	038	030	021	015	003																		175
240-249		012	052	052	049	031	017	005																		218
250-259		013	040	067	087	039	024	016																		286
260-269	001	015	039	097	109	051	019	011																		342
270-279		021	073	078	095	047	014	009																		337
280-289		028	082	074	083	040	009	008																		324
290-299	001	018	091	086	046	018	004	002																		266
300-309	001	015	082	065	023	010	004	001																		201
310-319	001	030	076	060	010	004																				181
320-329		028	073	052	010	004	002																			169
330-339		029	068	038	015	004	001																			155
340-349		020	064	025	006		001																			116
350-359	001	027	057	030	001	001	001																			118
		649		1413		319		55		0		0		0		0		0		0		0		0		5186
	18		1806		809		117		0		0		0		0		0		0		0		0		0	

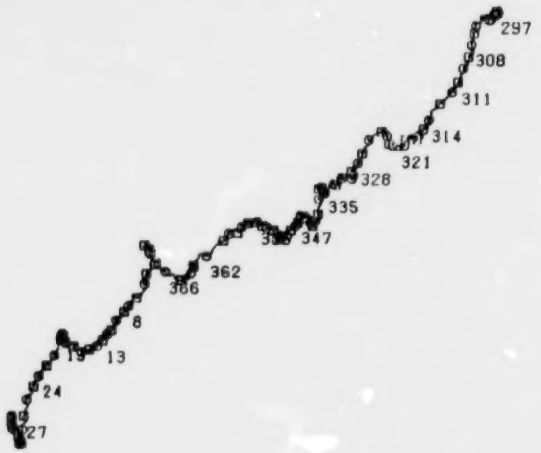
Number of zero rates: 0

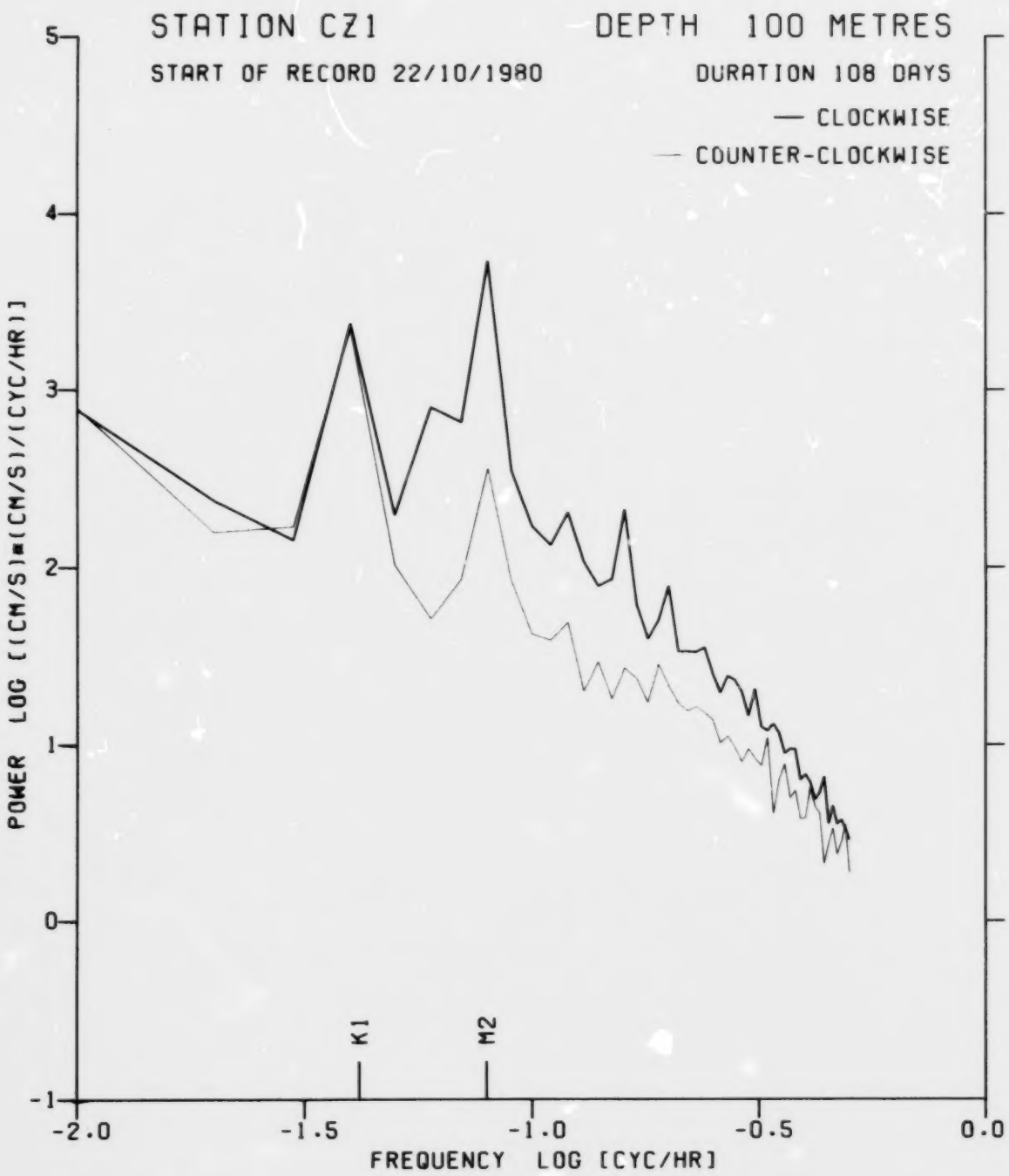
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

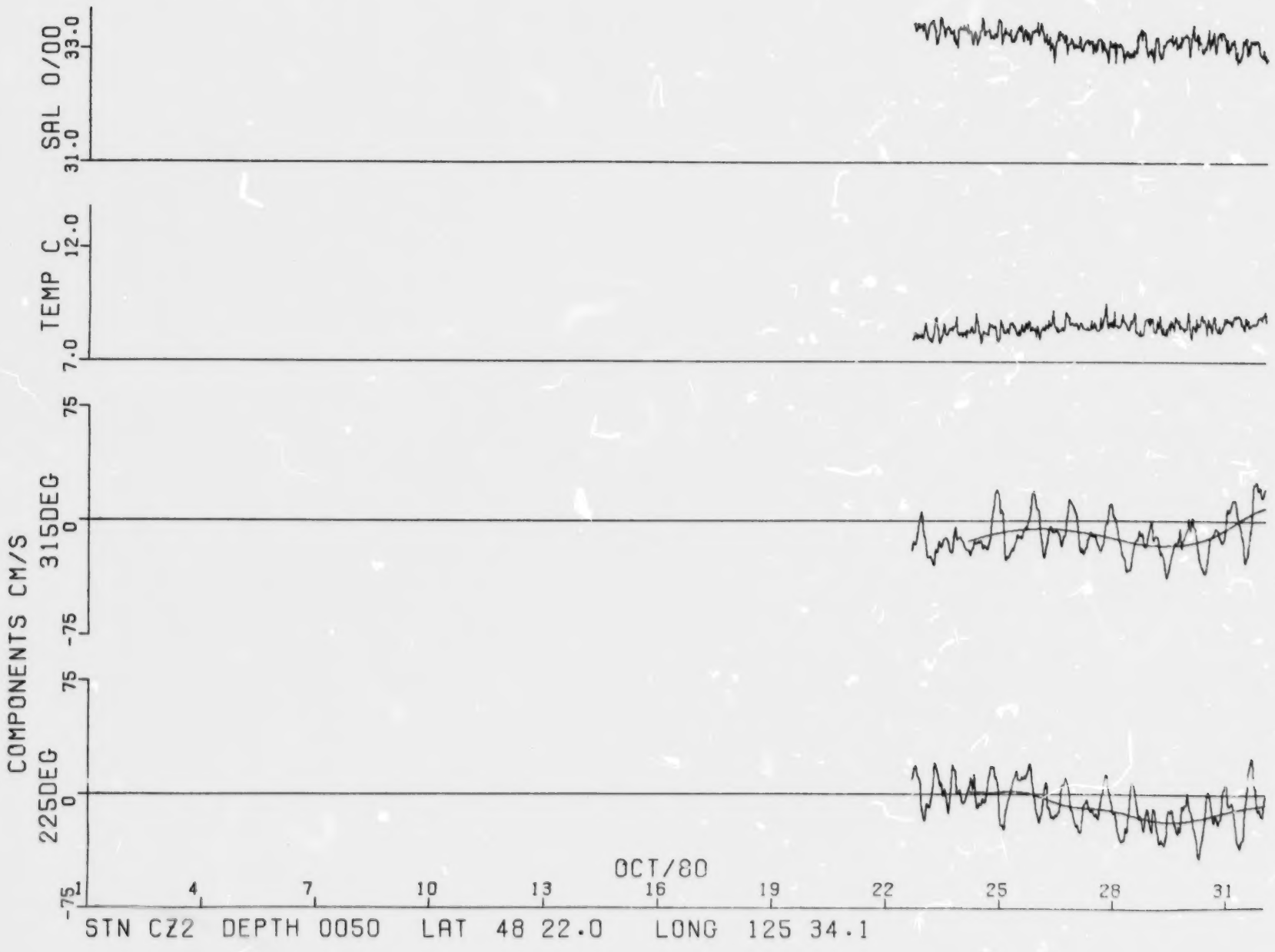
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

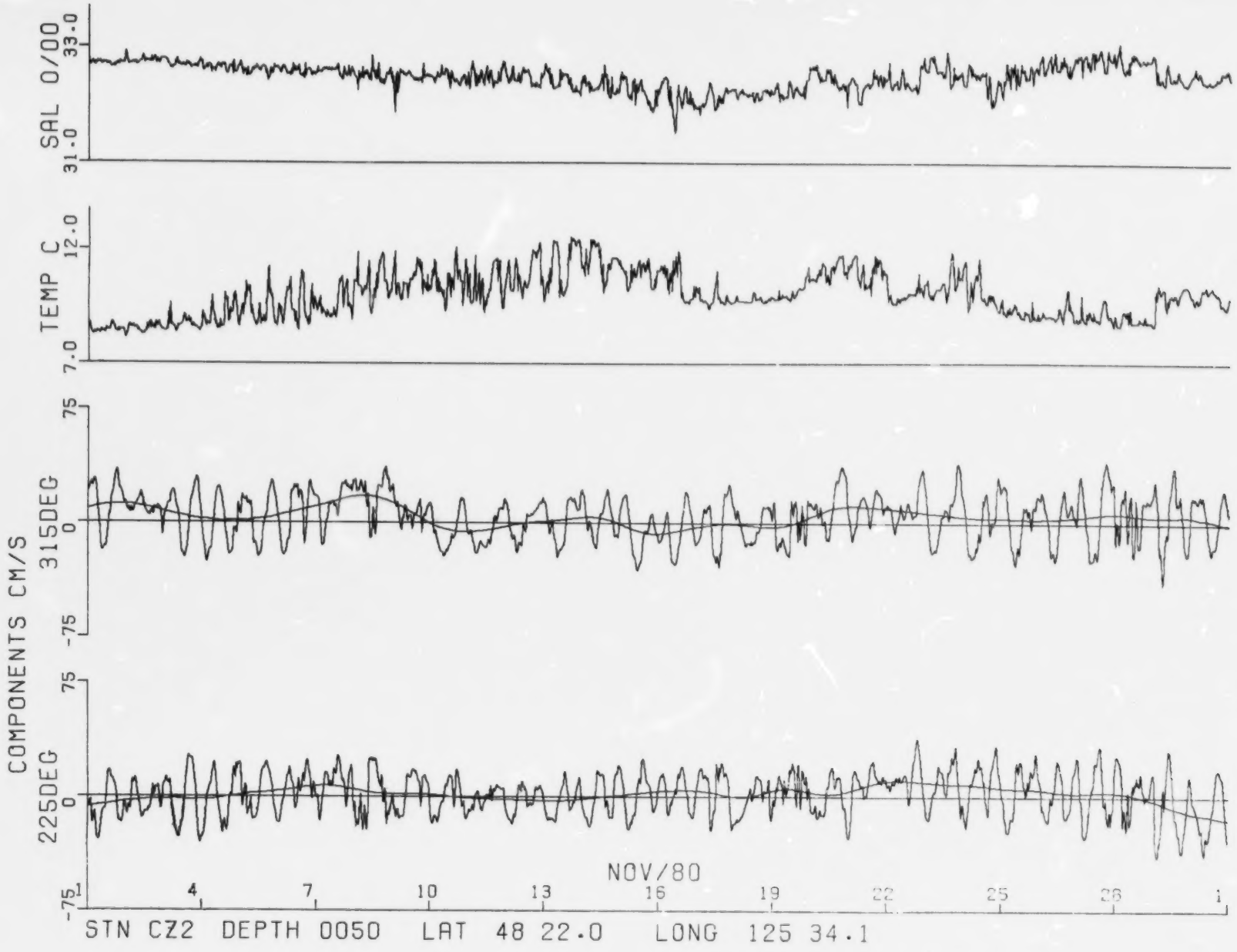
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ1	0100M	8500	226/80	108

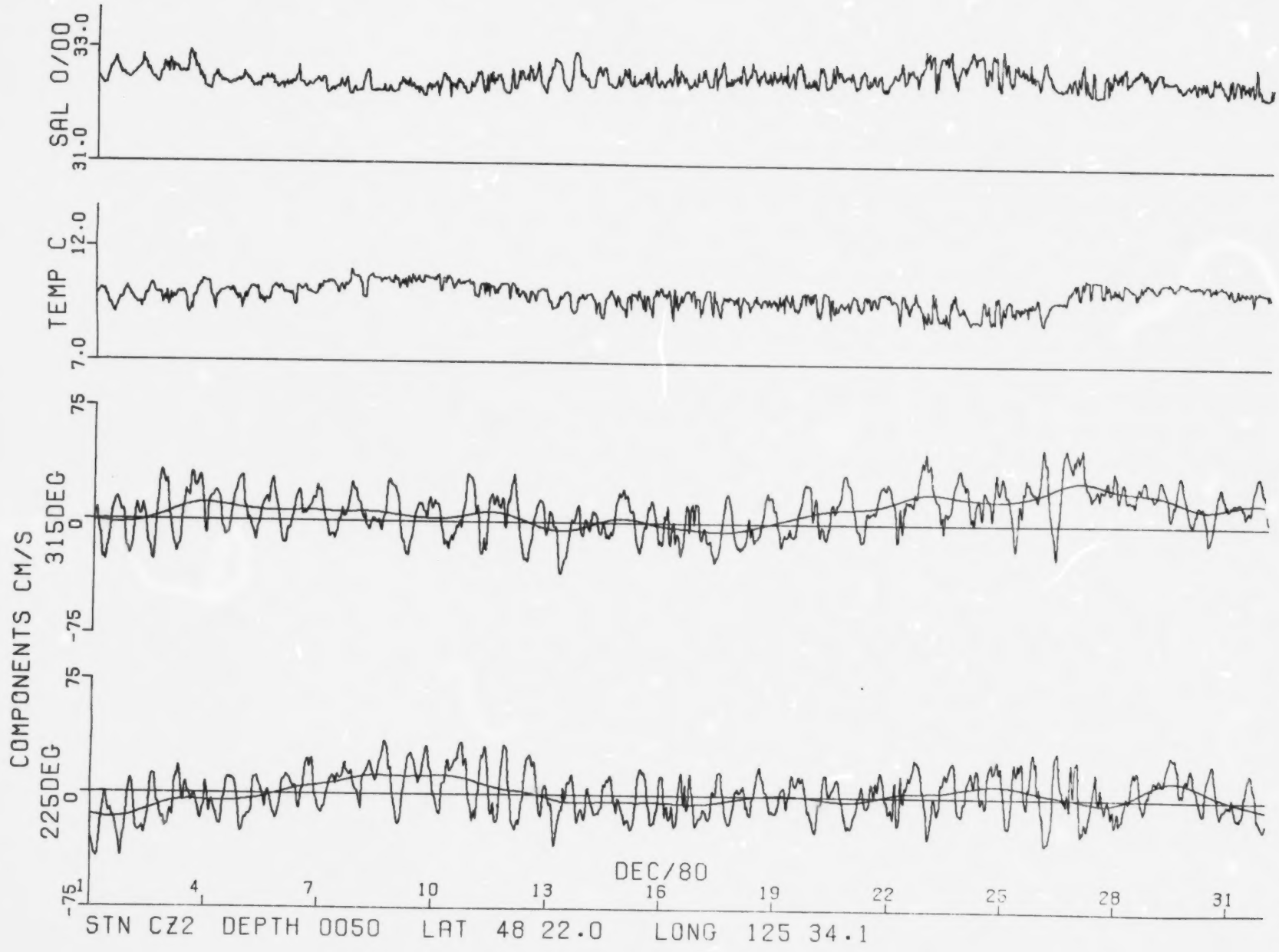
SCALE
100 KM

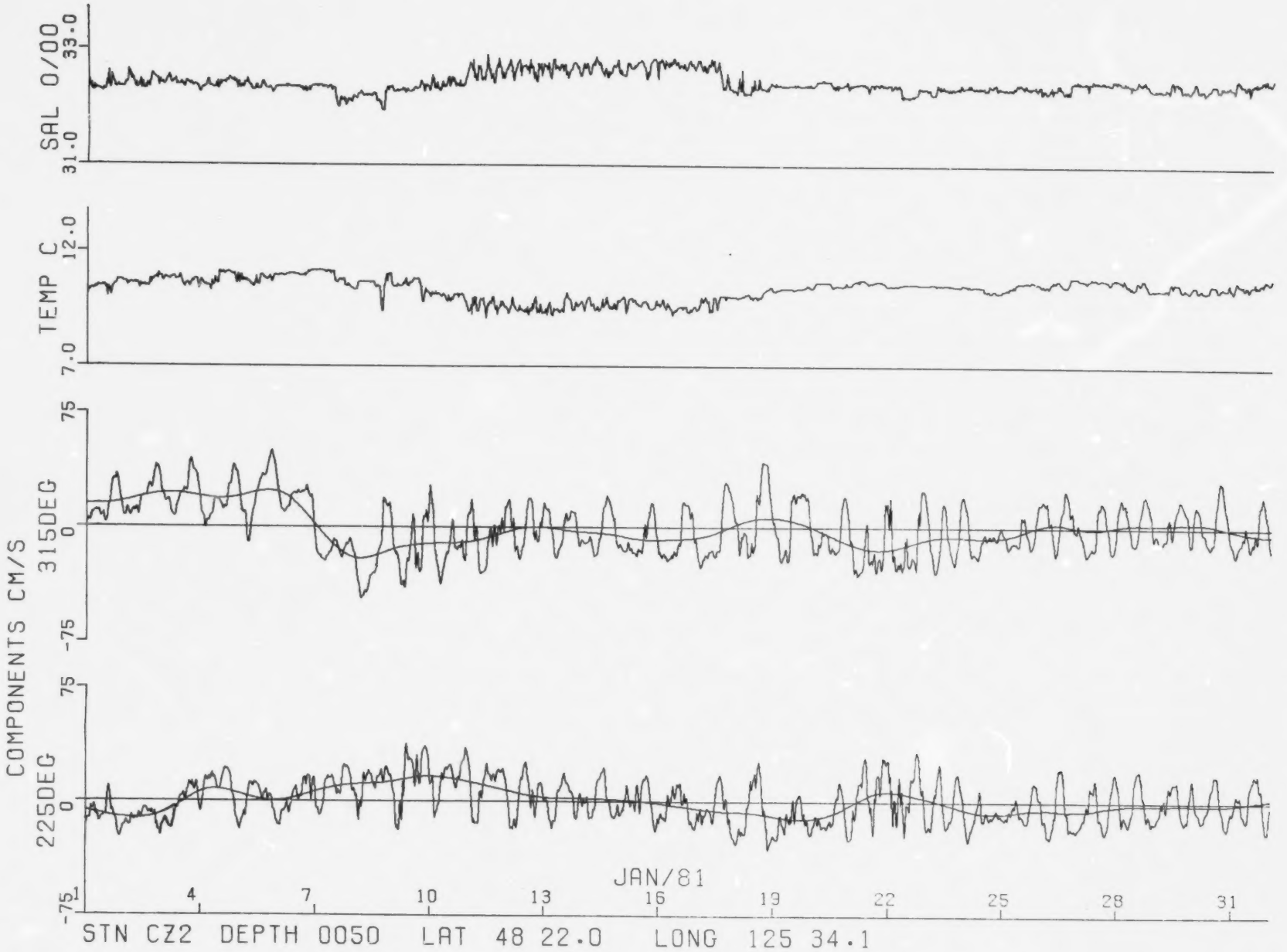


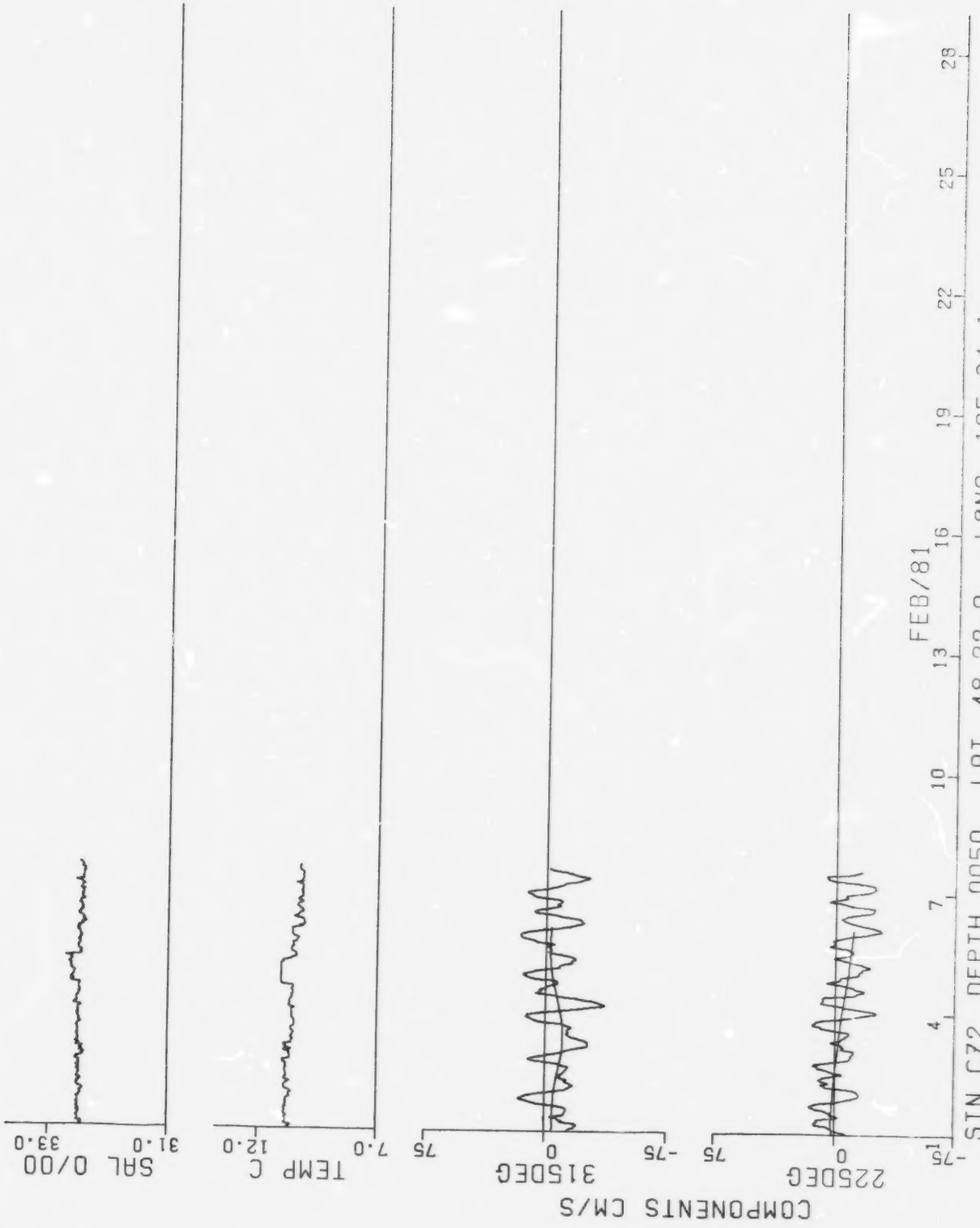

STATION CZ1
DEPTH 100 METRES
START OF RECORD 22/10/1980
DURATION 108 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0050 LAT 48 22.0 LONG 125 34.1


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ2 DEPTH 0050 LAT 48 22.0 LONG 125 34.1


SAL 0/00
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/80
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0050 LAT 48 22.0 LONG 125 34.1


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/81
1
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0050 LAT 48 22.0 LONG 125 34.1


STN CZ2 DEPTH 0050 LAT 48 22.0 LONG 125 34.1
FEB/81
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
7.0
12.0
31.0
33.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ2 Depth 0050 PACHENA POINT 48 22.0 N 125 34.1 W Length of record .EQ. 107 Days
Start of record 0 mn 16 hr 22 dy 10 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		019	035	042	032	011	007	002	002																	150
10- 19		007	041	029	028	010	002	001																		118
20- 29		006	019	039	027	013	002	002																		108
30- 39		007	027	023	024	010	005	005																		101
40- 49		012	028	040	014	007	003	002	002																	108
50- 59		013	028	029	029	014	002	002	004																	121
60- 69		005	044	045	022	021	009	003	002																	151
70- 79		010	041	047	019	019	006	007	002	002																153
80- 89	001	007	034	039	029	019	008	007	007																	151
90- 99		010	030	038	044	017	005	003	004	001																152
100-109		005	033	038	045	022	003	007	002																	155
110-119		007	025	047	038	024	005	004	001																	151
120-129		010	032	042	035	020	006	004	001	001																151
130-139		006	026	041	024	014	006	003		003																123
140-149		012	033	045	030	018	009	003	002	001																153
150-159		009	034	044	029	010	010	001	002	003																142
160-169	001	007	029	049	012	013	009	004	002																	126
170-179	001	004	039	041	019	020	003																			127
180-189	001	003	033	040	021	012	006	002	001																	119
190-199		005	026	034	012	020	004		002																	103
200-209		003	025	030	016	016	003	001																		94
210-219	001	006	030	027	019	008	001	001																		93
220-229	002	004	019	038	015	011	003																			92
230-239		014	020	033	032	014	012	002																		127
240-249		008	044	040	036	012	008	006																		154
250-259		003	026	037	025	023	017	005	002	001																139
260-269		007	032	046	029	020	014	002	005	001																156
270-279		006	025	042	034	030	017	010	002	001																167
280-289	001	010	039	048	040	037	016	015	004	005	001															216
290-299		011	027	040	036	041	015	006	007	003	001															187
300-309		012	031	039	045	019	012	015	004	006	003															186
310-319		004	031	045	032	021	016	006	006	010	001															172
320-329		008	035	039	051	027	020	008	010	002																200
330-339		011	022	047	052	028	021	010	008																	199
340-349		007	036	042	036	021	016	005	002	001																166
350-359		009	028	045	047	025	011	002	002																	169
	287		1430		667		156		41		0		0		0		0		0		0		0		0	5100
8		1107		1078		312		88		6		0		0		0		0		0		0		0		

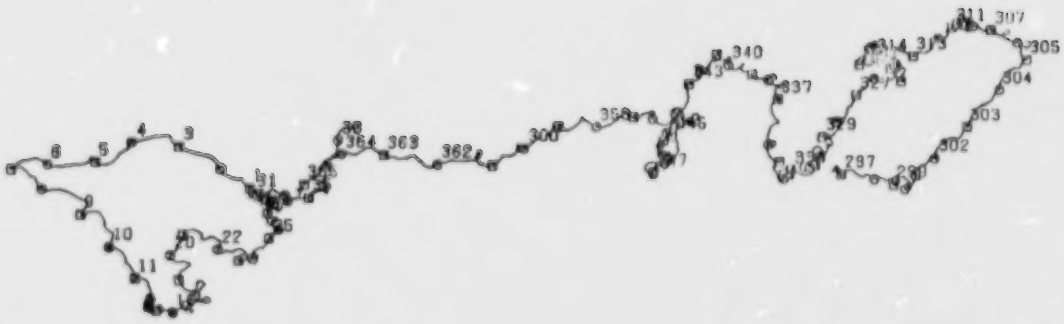
Number of zero rates: 0

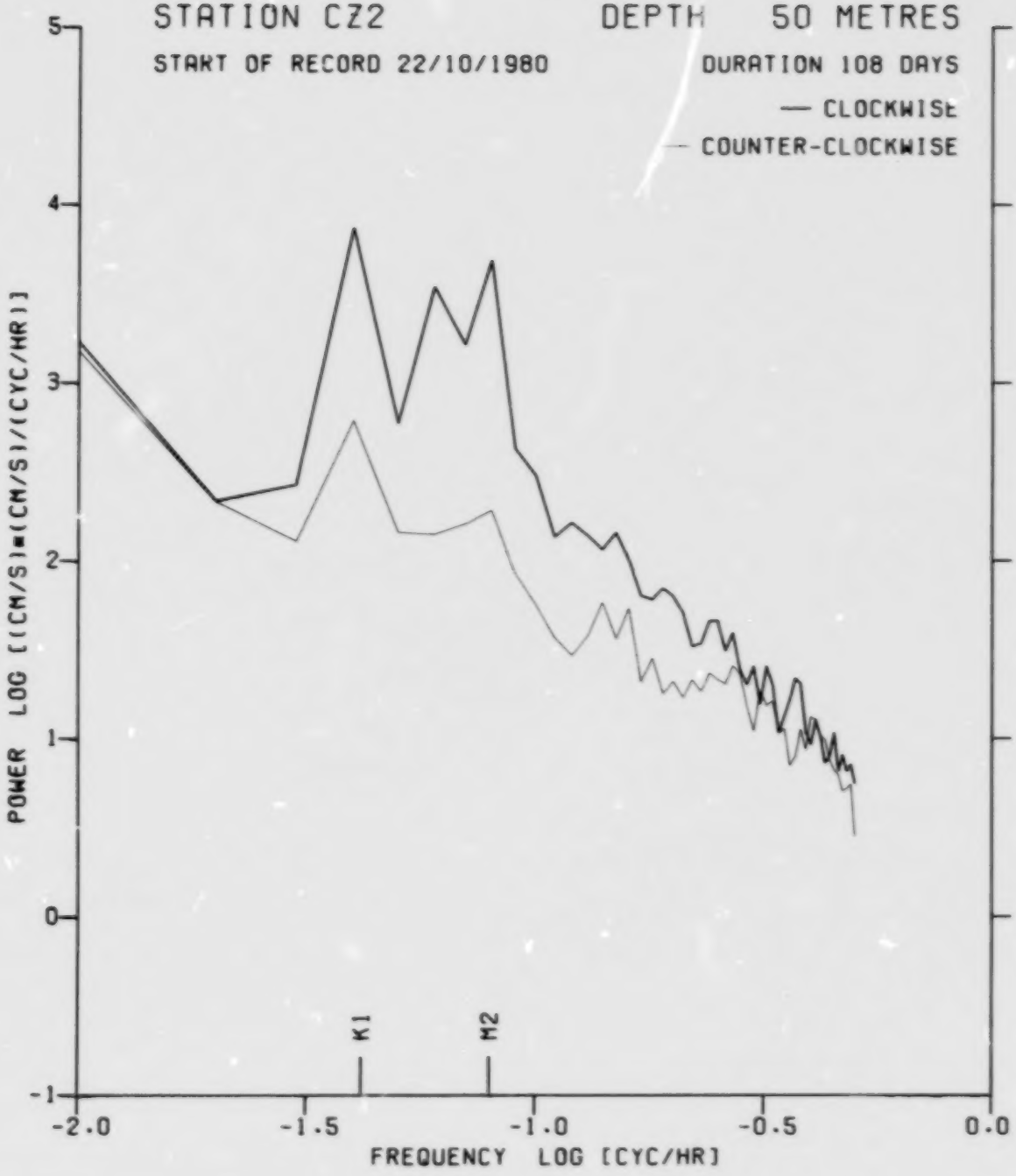
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ2	0050M	8500	296/80	108

SCALE 100 KM

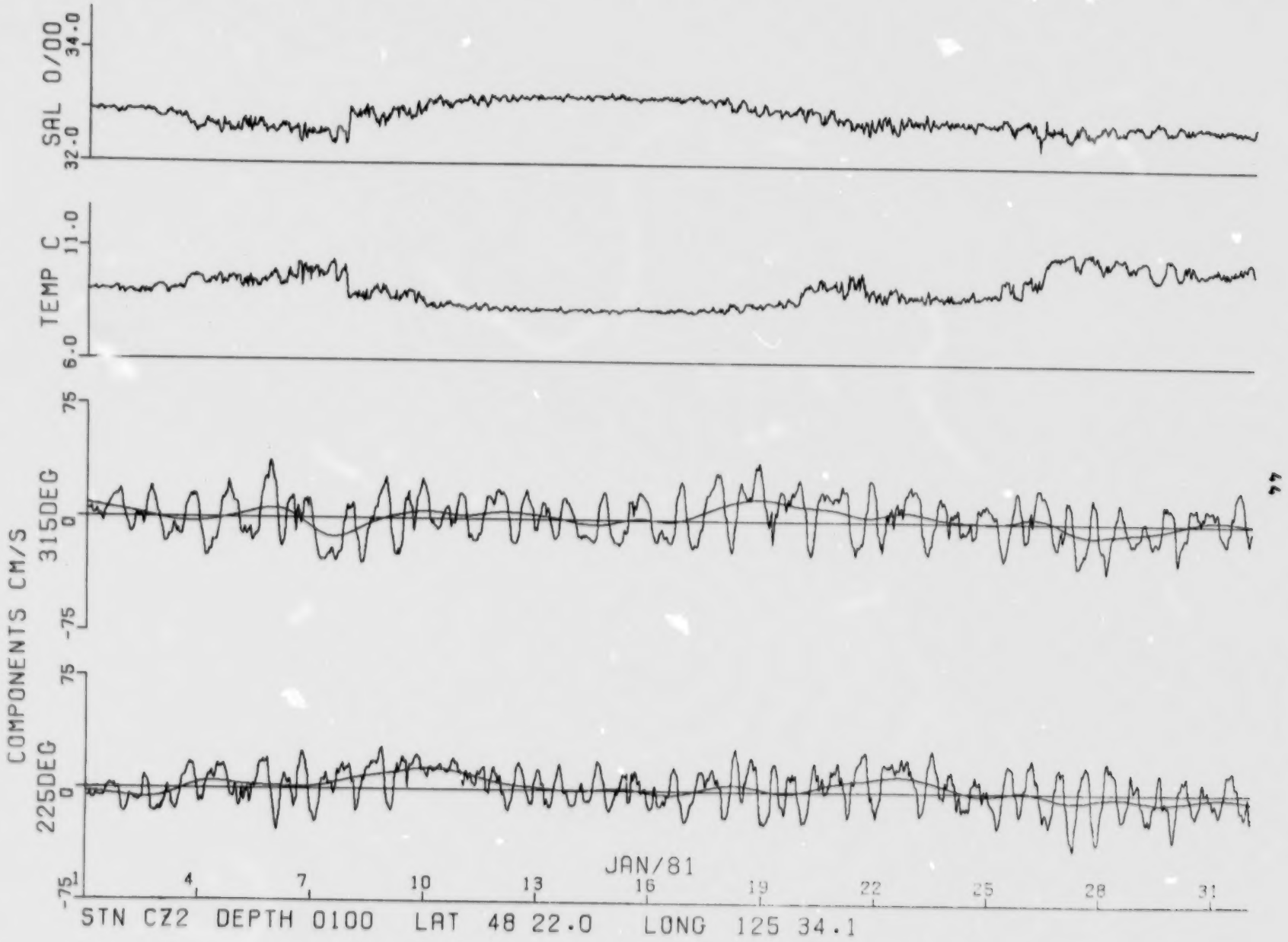



STATION CZ2
DEPTH 50 METRES
START OF RECORD 22/10/1980
DURATION 108 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 34.1
OCT/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
6.0
11.0
SAL 0/00
32.0
34.0

STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 34.1
NOV/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
6.0
11.0
SAL 0/00
32.0
34.0

SAL O/OO
32.0
34.0
TEMP C
6.0
11.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
31
DEC/80
STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 34.1


SAL 0/00
34.0
32.0
TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/81
4
7
10
13
16
19
22
25
28
31
STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 34.1

STN CZ2 DEPTH 0100 LAT 48 22.0 LONG 125 34.1
FEB/81
1 4 7 10 13 16 19 22 25 28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75 0 -75
6.0 11.0
32.0 34.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ2 Depth 0100 PACHENA POINT 48 22.0 N 125 34.1 W Length of record .EQ. 107 Days
Start of record 0 mn 16 hr 22 dy 10 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		019	066	036	012	007	001	002	001																	144
10- 19		010	054	030	011	004		003	002																	114
20- 29		020	044	035	015	011	001		003	002	002															133
30- 39		015	045	030	015	006	003	001	001	001	001															118
40- 49		019	048	026	011	005	006	002	001	001																119
50- 59	001	017	039	023	012	004	006		001																	103
60- 69		011	040	031	020	007	004	003	001																	117
70- 79		015	045	044	021	007	004	001	001																	138
80- 89		020	051	051	030	016	003		001																	172
90- 99		020	063	038	022	016	005	002																		166
100-109	001	017	060	038	036	016	005	001	001																	175
110-119		018	052	043	028	020	002	002																		165
120-129		022	046	050	037	014		003																		172
130-139		011	047	034	020	010	006	002																		130
140-149		009	059	043	024	017	002		001																	155
150-159		010	061	031	025	010	004	001																		142
160-169	001	009	036	033	012	007	002																			100
170-179	001	007	026	027	012	004	002																			79
180-189		010	037	033	019	003	001																			103
190-199		005	026	038	010	006																				85
200-209	001	006	035	030	004	003	001																			80
210-219	002	010	031	034	009	009	001																			96
220-229	002	006	026	035	013	005	001																			88
230-239		003	029	033	023	004	003																			95
240-249	001	005	036	048	022	013	001	002																		128
250-259		008	030	040	039	014	007	002	001																	141
260-269		013	032	041	053	029	012	004	004	001																189
270-279		007	034	050	050	029	012	007	004	005	002															200
280-289	001	010	035	060	045	038	011	008	007	003	006															224
290-299		008	044	061	037	044	017	011	005	004	003															234
300-309	001	017	048	068	039	034	018	012	005	003	004															249
310-319		017	050	063	049	023	008	007	003	003	001															224
320-329		009	040	046	023	024	003	003	004	001	001															154
330-339	002	017	045	044	021	015	006	003	002	001	001															157
340-349		018	055	037	023	008	003	002	003	003																152
350-359	001	012	055	033	021	007	004	001	003	002																139
		450	1437		489		85		30		0		0		0		0		0		0		0		0	5180
	15	1570		863		165		55		21		0		0		0		0		0		0		0		

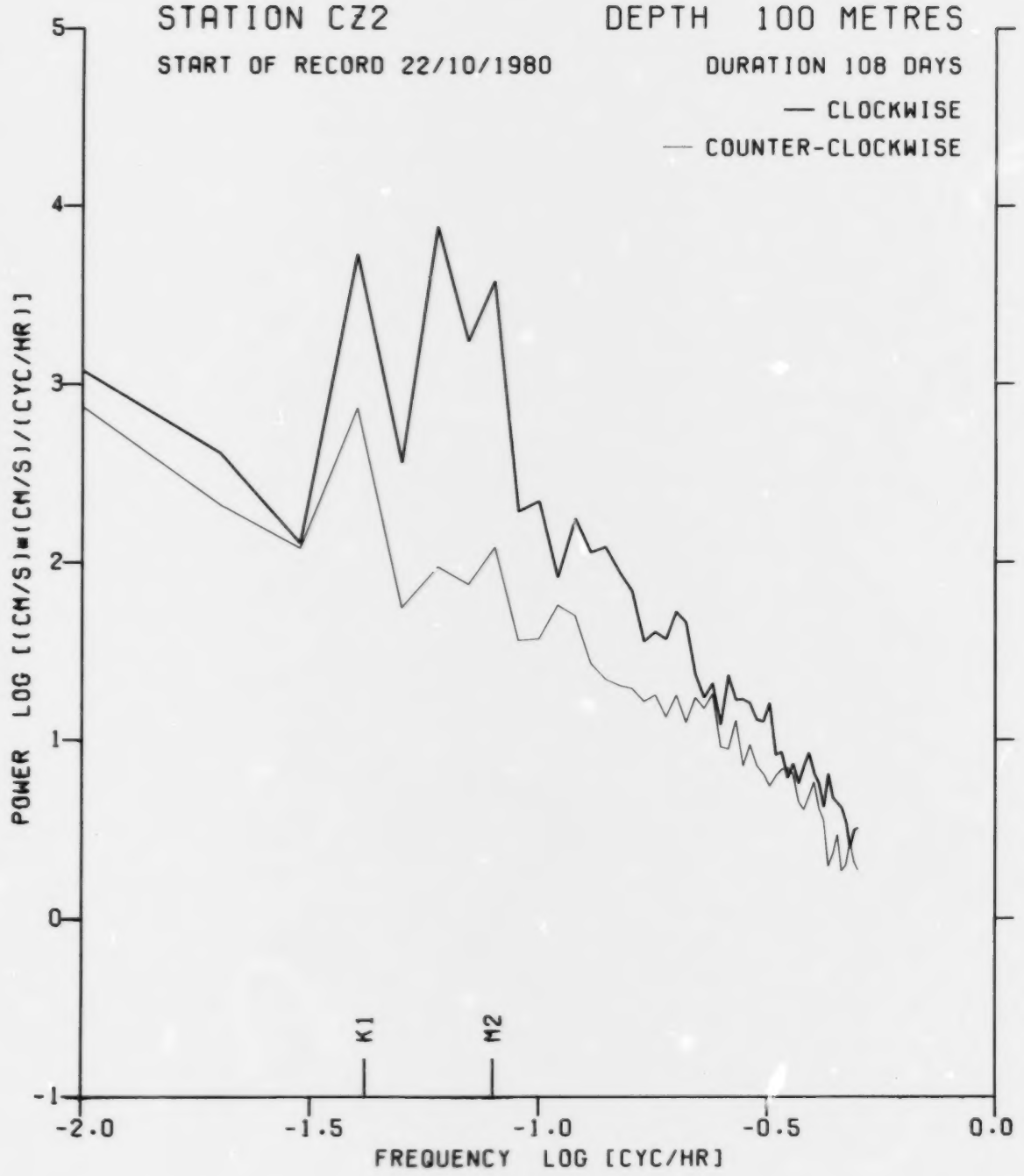
Number of zero rates: 0

PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

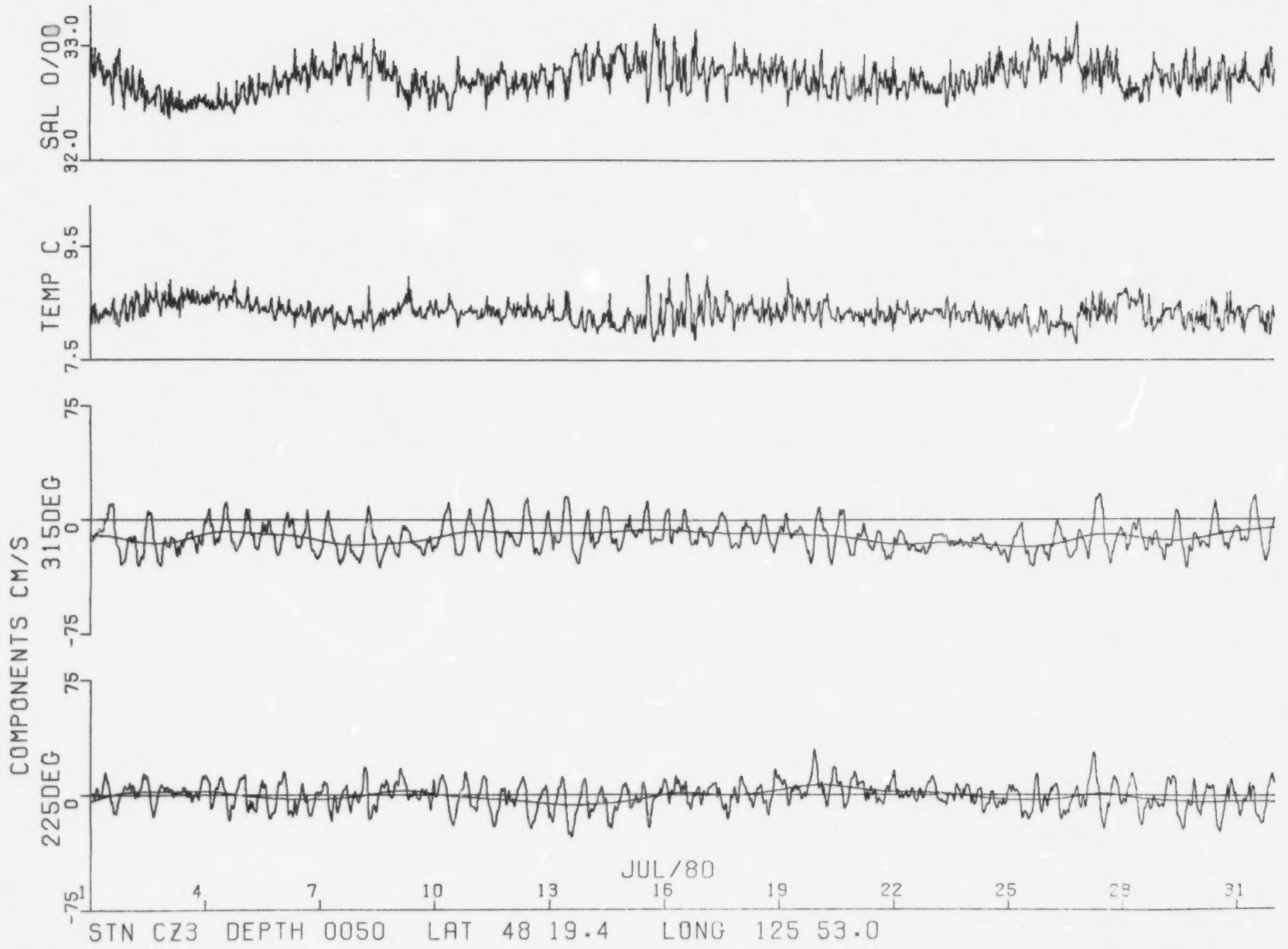
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

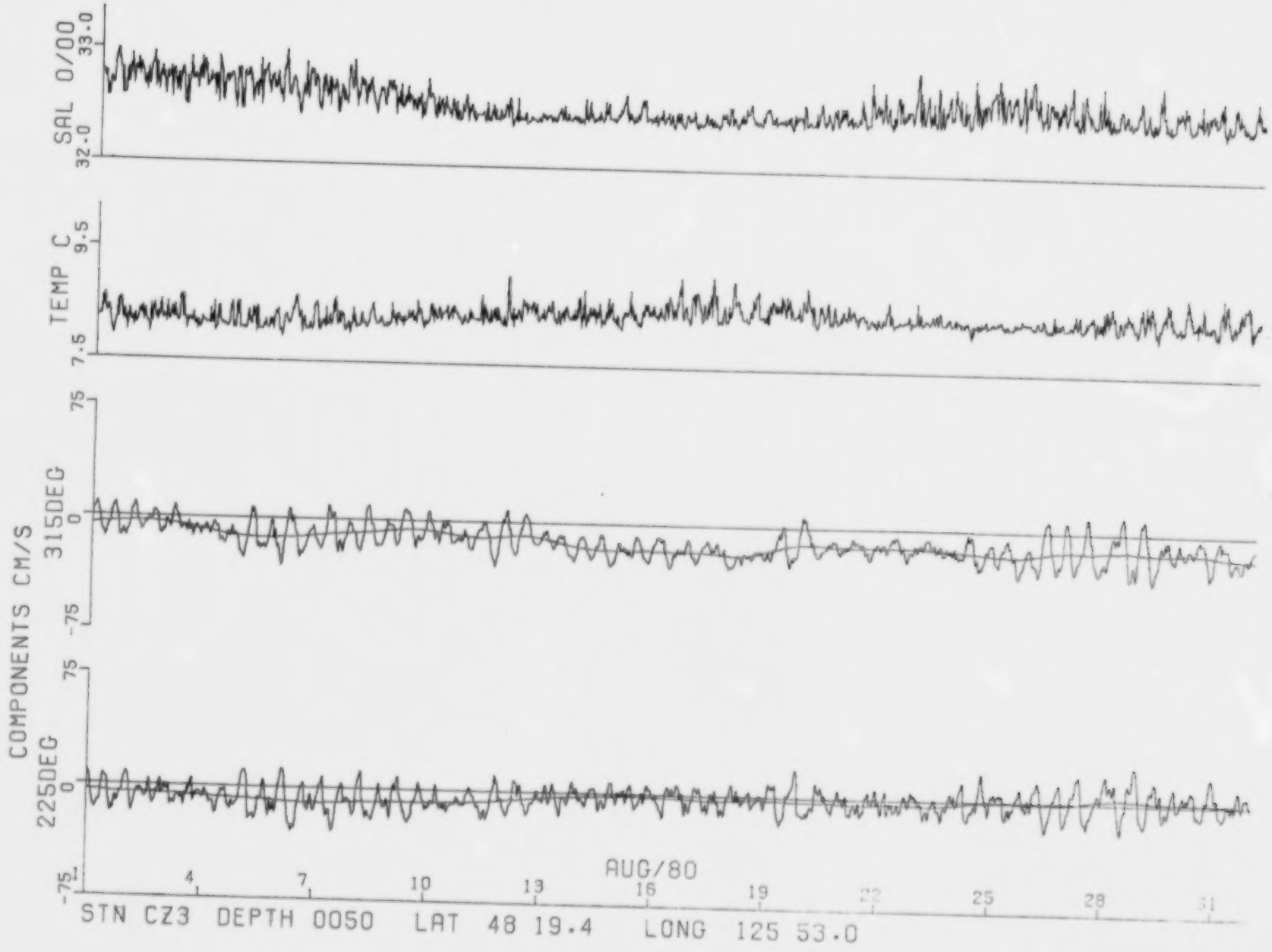
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ2	0100M	8500	296/80	108

SCALE 100 KM


STATION CZ2
DEPTH 100 METRES
START OF RECORD 22/10/1980
DURATION 108 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

SAL 0/00
32.0
33.0
TEMP C
7.5
9.5
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
STN CZ3 DEPTH 0050 LAT 48 19.4 LONG 125 53.0
JUN/80
1
4
7
10
13
16
19
22
25
28


SAL 0/00
33.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ3 DEPTH 0050 LAT 48 19.4 LONG 125 53.0


SAL 0/00
33.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
AUG/80
STN CZ3 DEPTH 0050 LAT 48 19.4 LONG 125 53.0

STN CZ3 DEPTH 0050 LAT 48 19.4 LONG 125 53.0
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
7.5
9.5
32.0
33.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ3 Depth -4050 COASTAL ZONE 48 19.4 N 125 53.0 W Length of record .EQ. 84 Days
Start of record 0 mn 14 hr 11 dy 6 mo 80 yr PST Rate of obser. = 2 per Hour

DIR	cm/s 001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	003	010	013	008	002																					36
10- 19		009	019	009		001																				38
20- 29	001	009	016	010	003																					39
30- 39	001	014	020	012	008	001																				56
40- 49		020	021	022	007	001																				71
50- 59	002	017	023	022	009	003																				76
60- 69	001	024	042	019	014	007	002																			109
70- 79		022	034	033	016	002	003																			110
80- 89	001	023	046	042	020	009	005	001																		155
90- 99	004	036	069	064	032	016	004	001																		226
100-109	002	054	089	088	048	018	003																			302
110-119		047	091	109	070	033	010																			360
120-129	001	050	096	133	075	043	008																			406
130-139	004	038	113	137	095	055	004																			446
140-149	003	045	087	119	093	026	005																			378
150-159	004	041	098	088	059	023	002																			315
160-169	001	030	050	040	021	008																				150
170-179	003	037	036	020	012	001																				109
180-189	002	022	025	010	013	001																				81
190-199	002	020	031	013	006		001																			73
200-209	001	025	030	007	002																					65
210-219	002	014	010	006	001	001	001																			43
220-229	001	010	024	004	002	002																				43
230-239	001	010	017	001	001	001																				39
240-249		010	019	002	001	001																				41
250-259	002	026	014	001	001																					44
260-269	001	013	010																							24
270-279		017	009	002																						28
280-289	001	010	007	001																						19
290-299	001	013	011	003																						28
300-309	003	010	007	003																						23
310-319	001	014	006	004																						25
320-329	001	011	008	003																						23
330-339	003	015	004	006	001																					29
340-349	002	017	011	010	001																					41
350-359		011	011	002																						24
	55	810	1225	1061	621	253	48	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4075

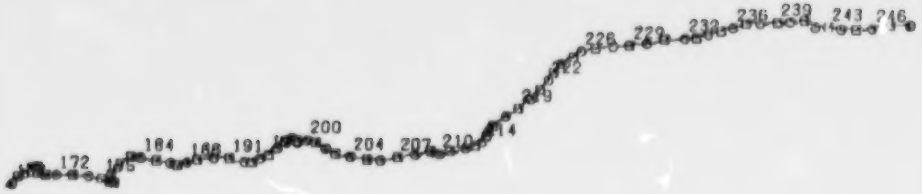
Number of zero rates: 0

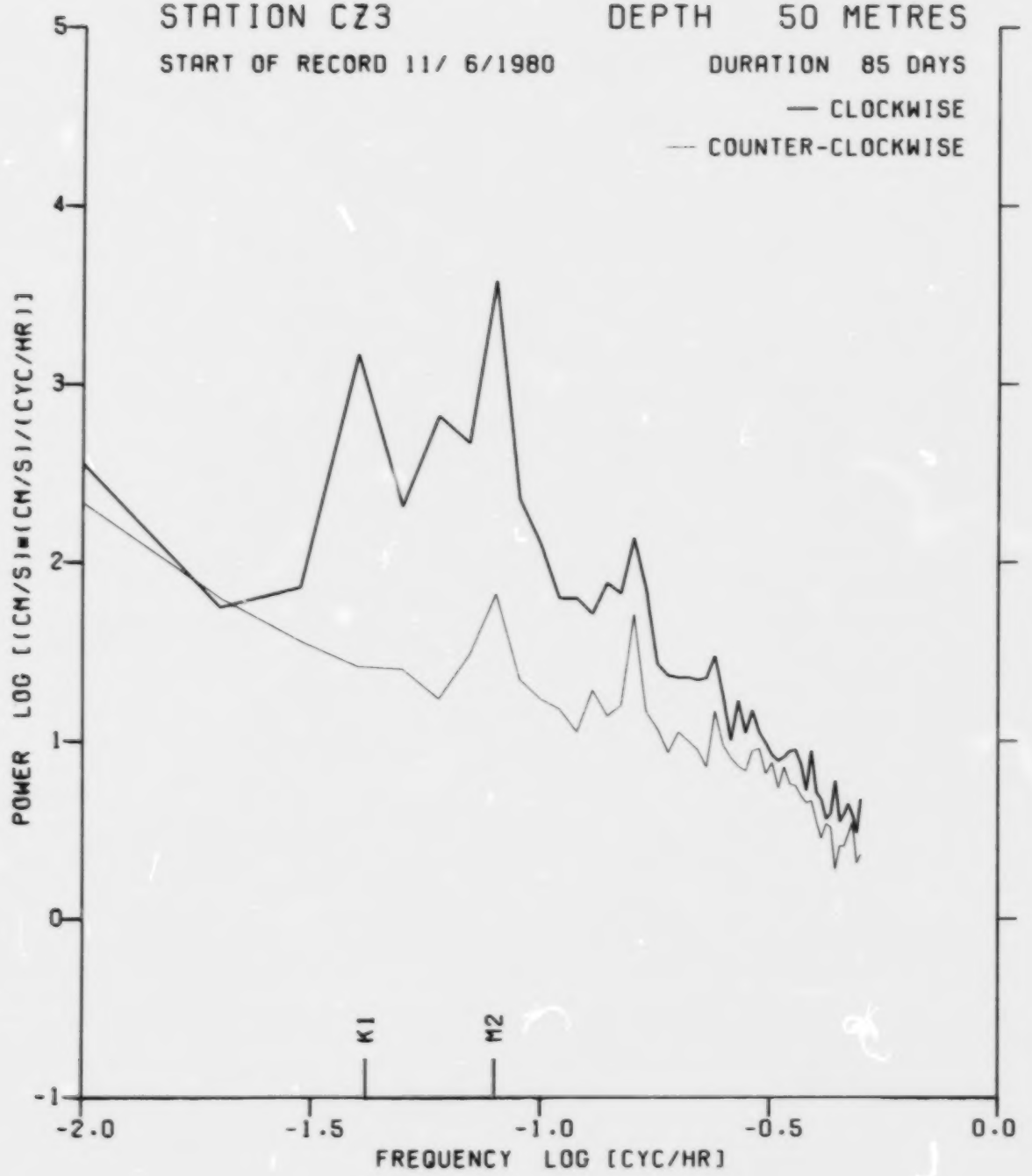
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

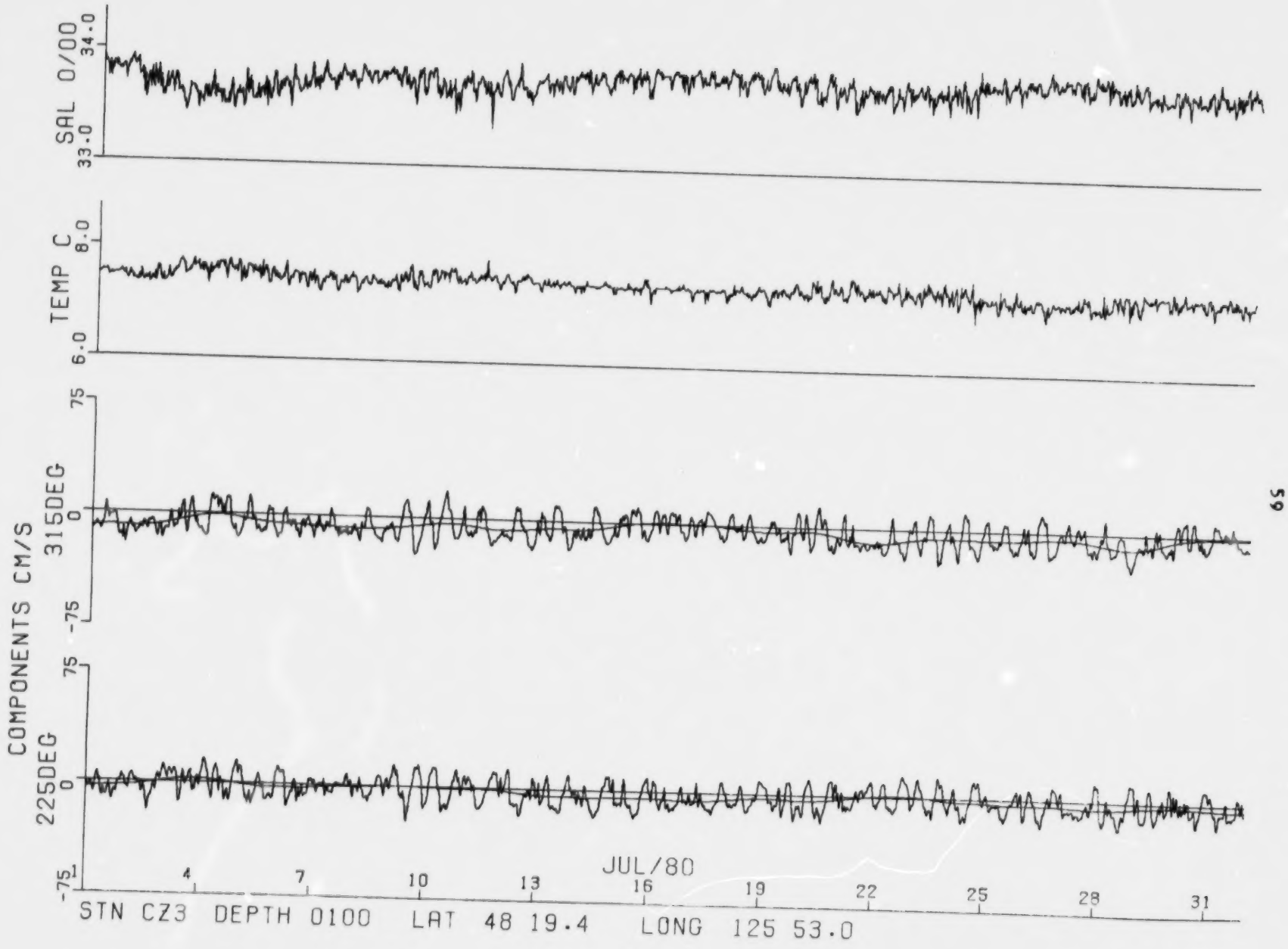
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ3	0050M	8500	163/80	85

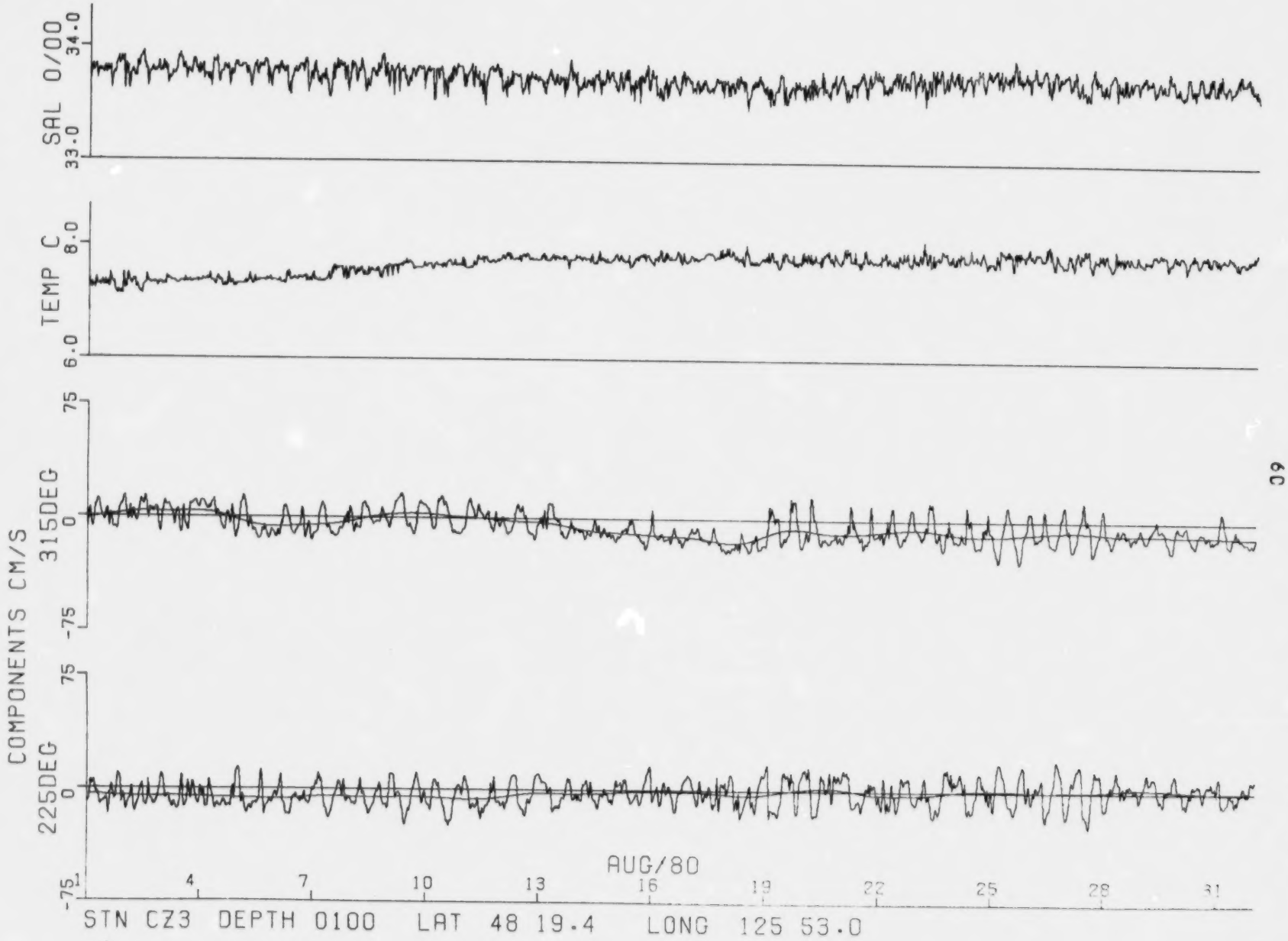
SCALE 100 KM




STATION CZ3
DEPTH 50 METRES
START OF RECORD 11/ 6/1980
DURATION 85 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN CZ3 DEPTH 0100 LAT 48 19.4 LONG 125 53.0
JUN/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
6.0
8.0
33.0
34.0


SAL 0/00
34.0
33.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN CZ3 DEPTH 0100 LAT 48 19.4 LONG 125 53.0


SAL O/OO
34.0
33.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
AUG/80
STN CZ3 DEPTH 0100 LAT 48 19.4 LONG 125 53.0

STN CZ3 DEPTH 0100 LAT 48 19.4 LONG 125 53.0
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
6.0
8.0
33.0
34.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ3 Depth 0100 PACHENA POINT 48 19.4 N 125 53.8 W Length of record .EQ. 99 Days
Start of record 0 mn 14 hr 11 dy 6 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	031	062	019	003																					117
10- 19	001	037	066	022	003																					129
20- 29	002	032	086	028	003																					151
30- 39		039	064	034	004																					141
40- 49	006	031	066	030	006																					139
50- 59	004	050	074	028	005																					161
60- 69	001	046	076	038	007																					168
70- 79	002	043	077	048	006	001																				177
80- 89	006	056	078	047	003																					190
90- 99	003	038	109	051	006	001																				208
100-109	001	046	096	067	013	002																				225
110-119	005	057	121	053	013	002																				251
120-129	003	043	113	052	013	003																				227
130-139	004	070	123	042	015	002																				256
140-149	003	062	109	051	015	003																				243
150-159	002	051	117	052	011	003																				236
160-169	004	043	075	045	012	003	001																			183
170-179	006	046	071	042	002	002																				169
180-189	003	037	069	026	002	001																				138
190-199	001	035	051	024	004																					115
200-209	001	041	054	010																						106
210-219	003	041	031	003																						78
220-229	007	025	035	004																						71
230-239		030	036	004																						70
240-249	005	028	028	008																						69
250-259	001	030	038	002																						71
260-269	001	026	024	003																						54
270-279	002	020	018	003																						43
280-289		028	027	005																						60
290-299	002	026	023	002																						53
300-309		028	034	005																						67
310-319	001	034	038	008																						81
320-329	003	037	037	008																						85
330-339		035	046	009																						90
340-349		033	042	012	001																					88
350-359	003	025	043	012	003																					86
	1380		897		23		0		0		0		0		0		0		0		0		0		0	4796
	88	2257		150		1		0		0		0		0		0		0		0		0		0		

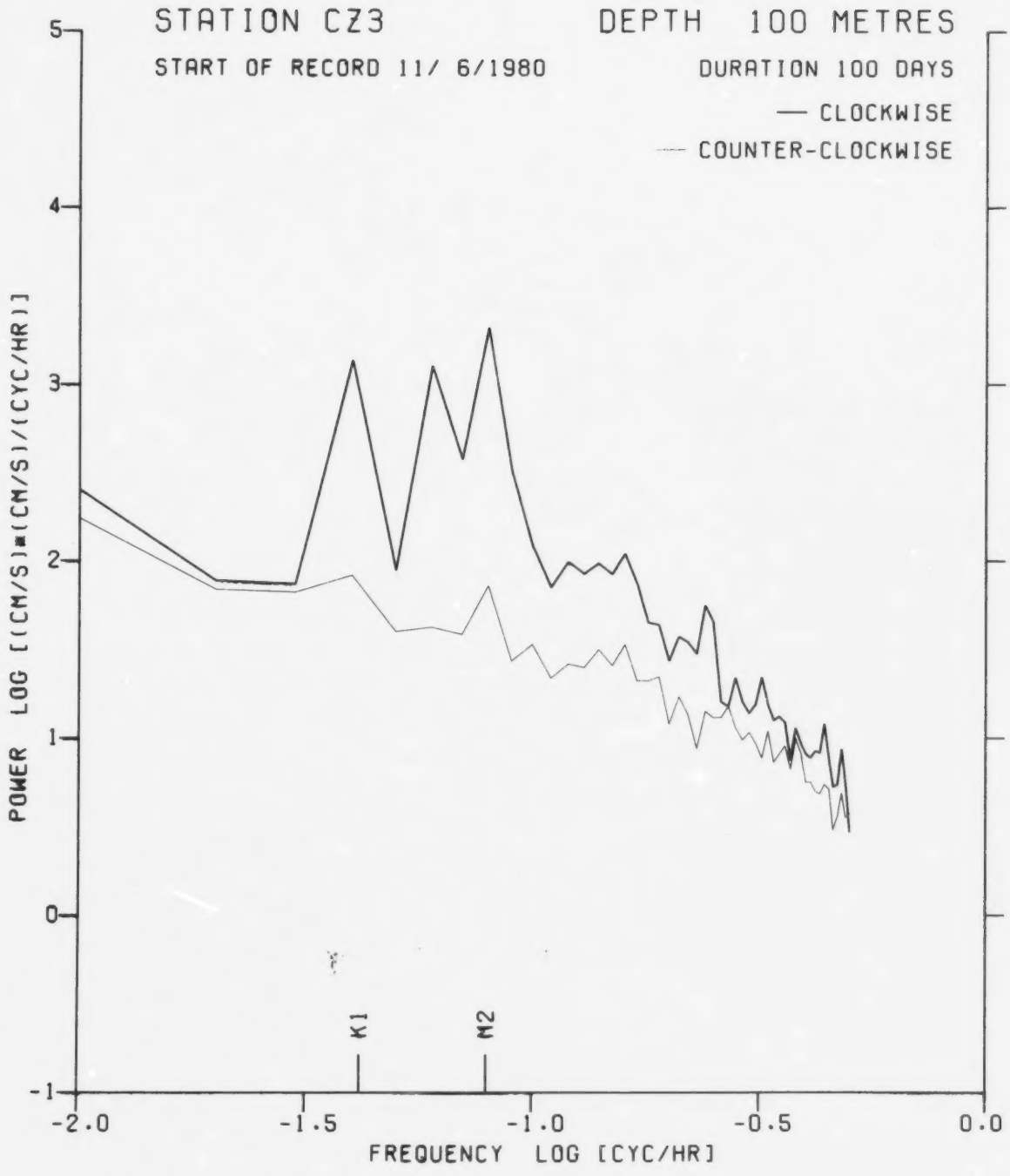
Number of zero rates: 0

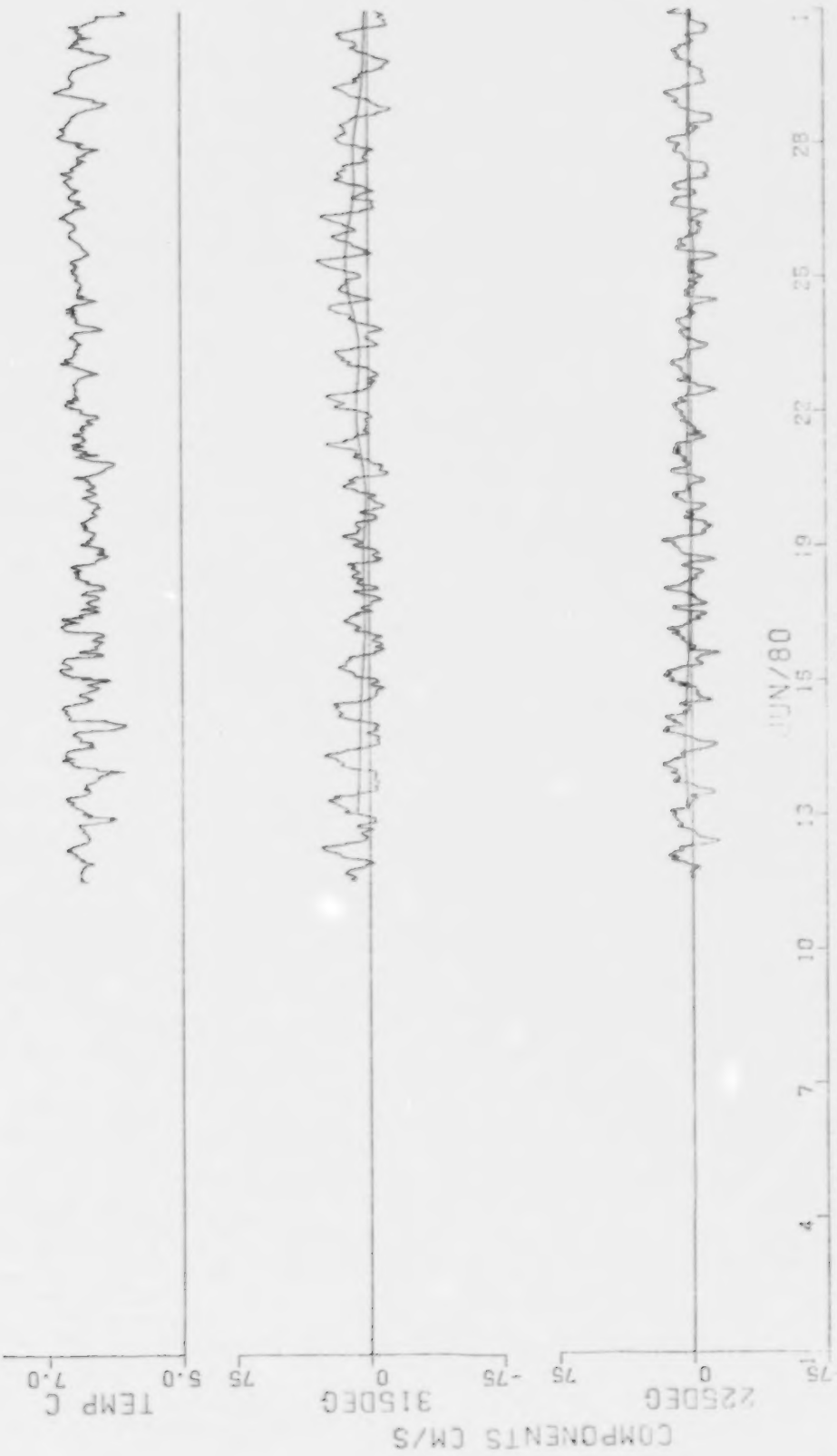
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

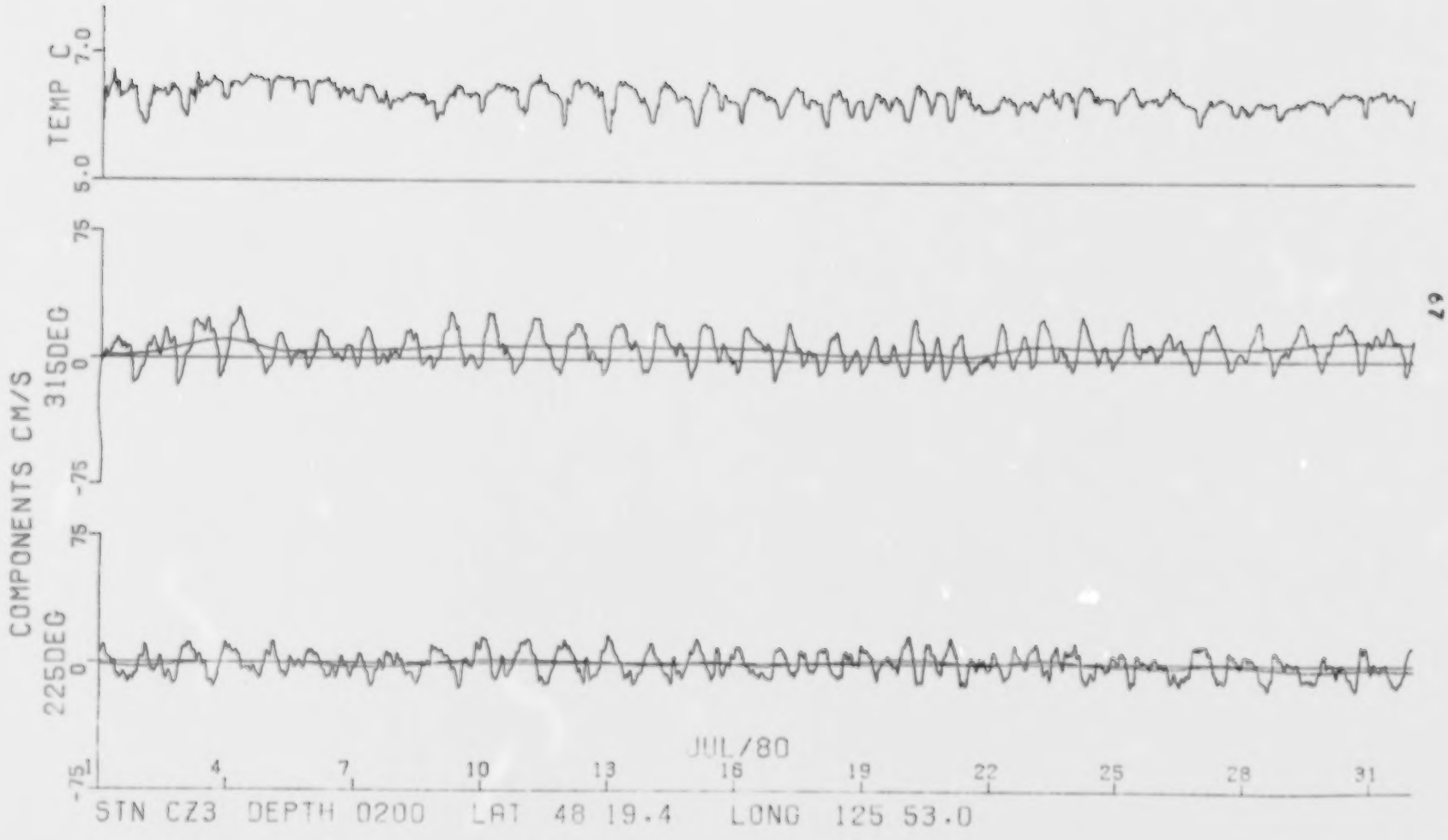
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ3	0100M	8500	163/80	100

SCALE ⊢—·—+—·—·—⊣
100 KM


STATION CZ3
DEPTH 100 METRES
START OF RECORD 11/ 6/1980
DURATION 100 DAYS
— CLOCKWISE
--- COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


STN CZ3 DEPTH 0200 LAT 48 13.4 LONG 125 53.0
JUN/80
4
7
10
13
15
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
5.0
7.0
75
0
-75


TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN CZ3 DEPTH 0200 LAT 48 19.4 LONG 125 53.0

STN CZ3 DEPTH 0200 LAT 48 19.4 LONG 125 53.0
AUG/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
7.0
5.0

STN CZ3 DEPTH 0200 LAT 48 19.4 LONG 125 53.0
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
5.0
7.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ3 Depth 0200 PACHENA POINT 48 19.4 N 125 53.0 W Length of record .EQ. 99 Days
Start of record 0 mn 14 hr 11 dy 6 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	019	050	097	059	005																					230
10- 19	015	052	088	021																						176
20- 29	015	050	044	003																						112
30- 39	019	034	015	001																						69
40- 49	013	025	009																							47
50- 59	018	027	006																							51
60- 69	019	016	004																							39
70- 79	014	019	003																							36
80- 89	014	013	003																							30
90- 99	015	017	003																							35
100-109	017	015	003	001																						36
110-119	006	020	005	005																						36
120-129	013	038	010	001																						62
130-139	018	028	010	003																						59
140-149	020	034	014																							68
150-159	023	043	025																							91
160-169	025	050	019																							94
170-179	022	064	028																							114
180-189	018	068	030																							116
190-199	019	079	017																							115
200-209	038	078	023																							139
210-219	029	065	017																							111
220-229	029	076	010	001																						116
230-239	030	054	019	002																						105
240-249	035	044	023	003																						105
250-259	027	040	025	007																						99
260-269	025	044	031	012	002																					114
270-279	022	055	033	025	011																					146
280-289	023	056	038	046	019	003																				185
290-299	025	043	052	049	027	006																				202
300-309	022	050	063	083	052	008																				278
310-319	020	067	075	097	066	013																				338
320-329	027	055	092	103	064	012																				353
330-339	021	051	090	114	055	014																				345
340-349	017	061	078	095	032	002																				285
350-359	024	044	086	091	013	001																				259
	1625		822		59		0		0		0		0		0		0		0		0		0		0	4790
	756	1188		346		0		0		0		0		0		0		0		0		0		0		

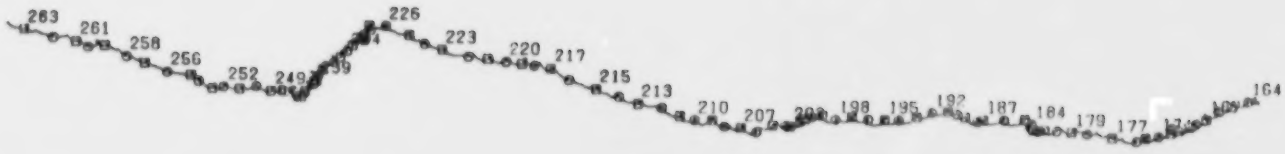
Number of zero rates: 0

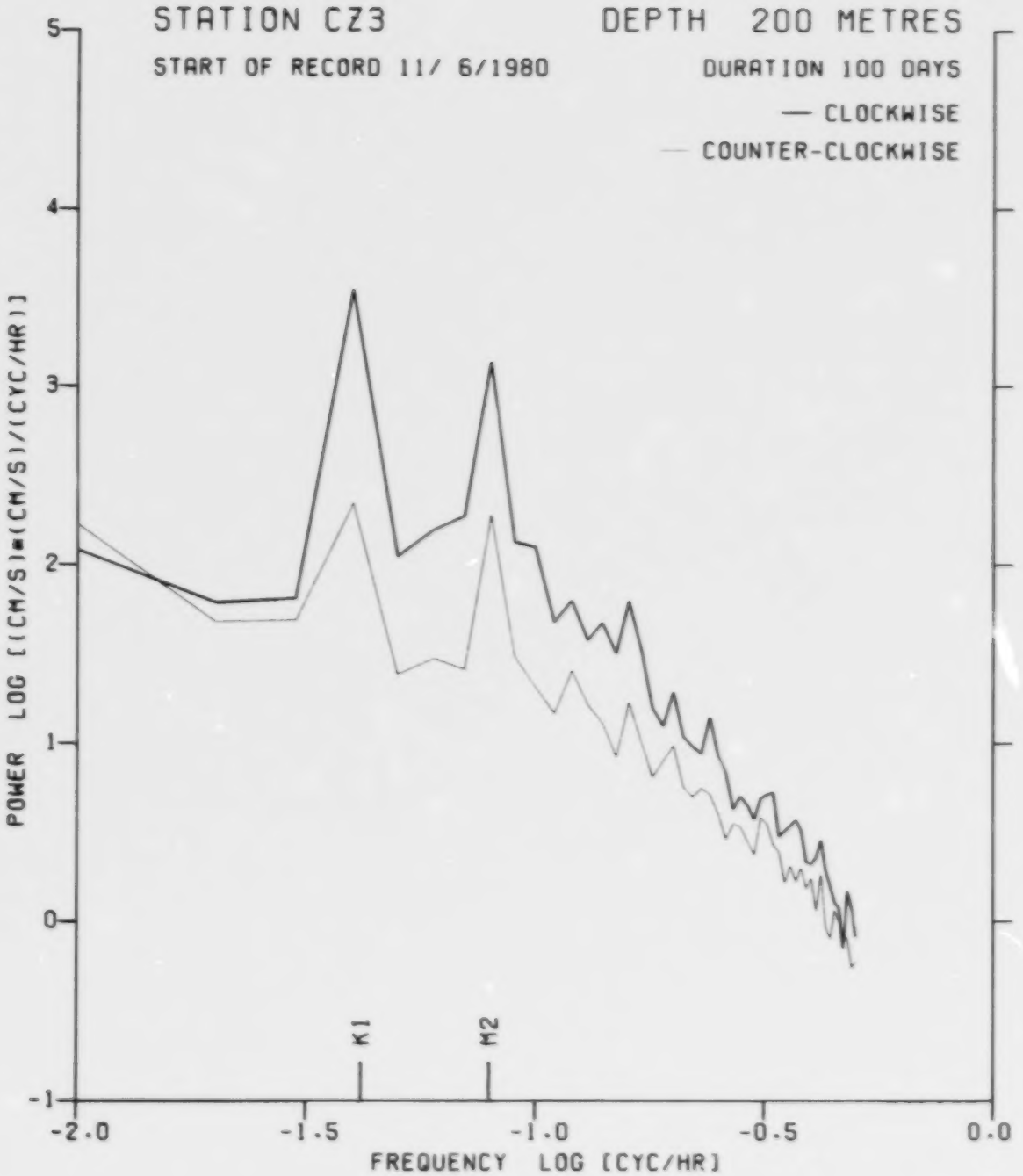
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

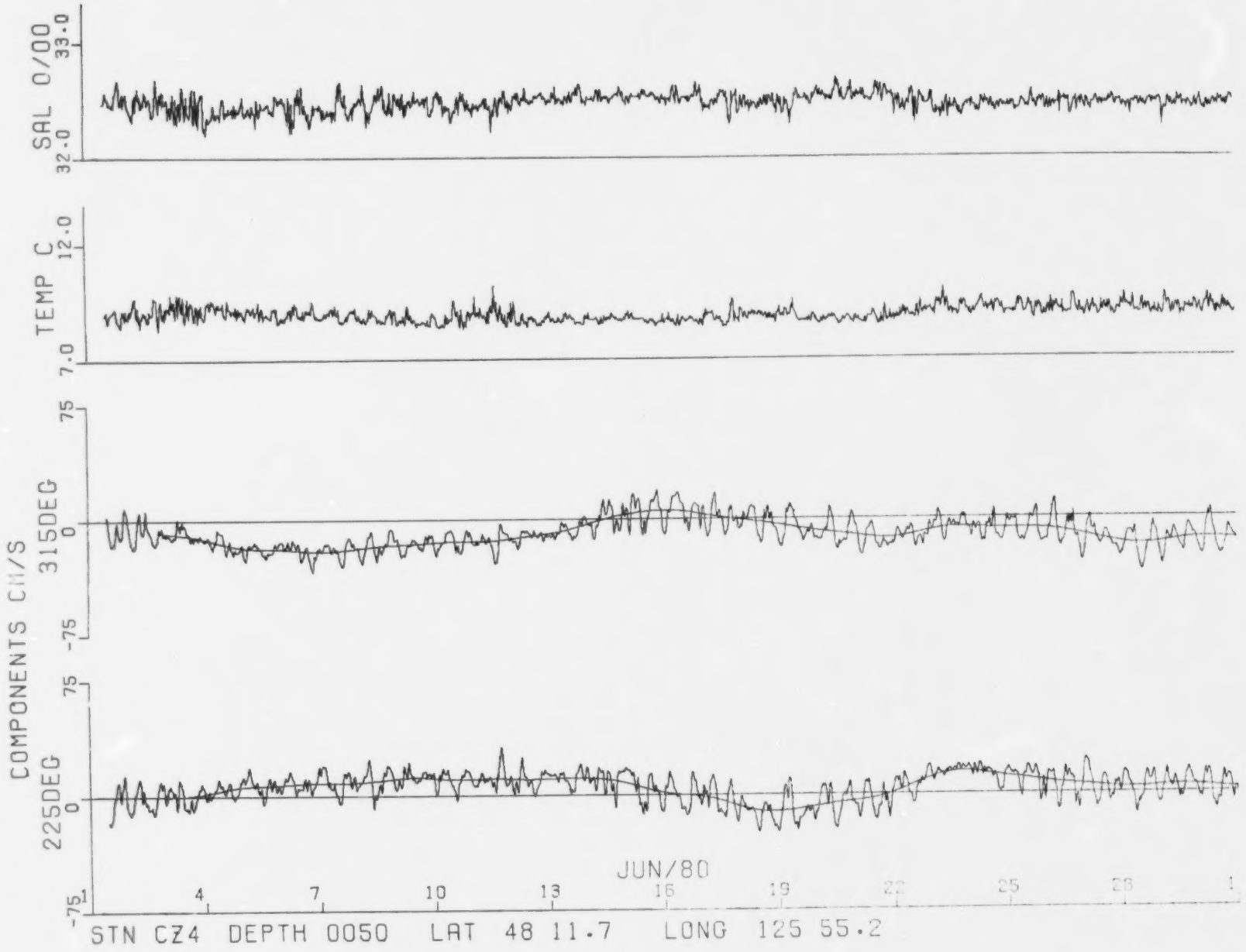
ⓞODD NUMBERED DAYS
ⓔEVEN NUMBERED DAYS

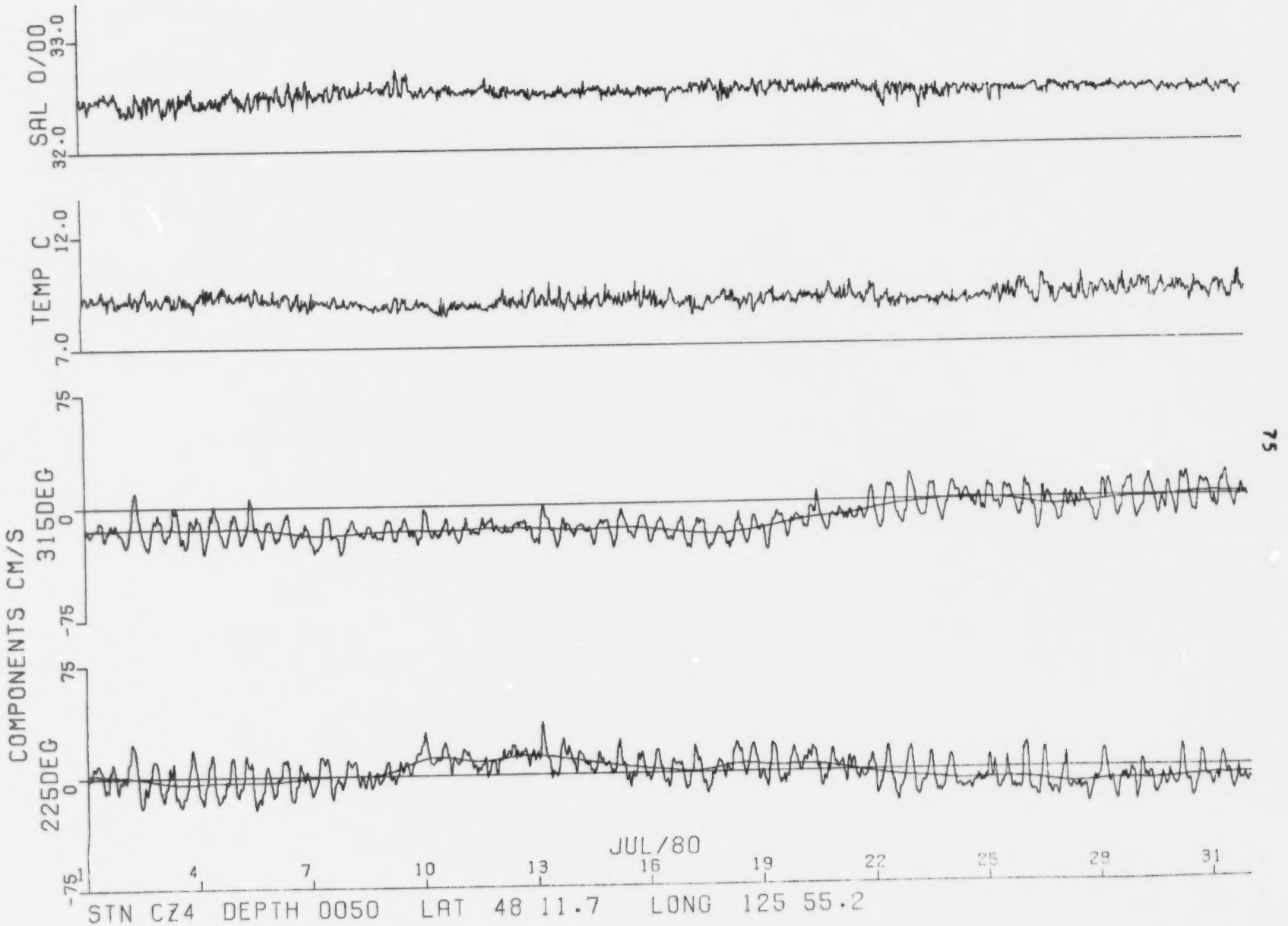
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ3	0200M	8500	163/80	100

SCALE 100 KM




STATION CZ3
DEPTH 200 METRES
START OF RECORD 11/ 6/1980
DURATION 100 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
33.0
32.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN CZ4 DEPTH 0050 LAT 48 11.7 LONG 125 55.2


SAL 0/00
33.0
32.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0050 LAT 48 11.7 LONG 125 55.2

SAL O/OO
32.0
33.0
TEMP C
7.0
12.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
STN CZ4 DEPTH 0050 LAT 48 11.7 LONG 125 55.2
AUG/80
4
7
10
13
16
19
22
25
28
31

STN CZ4 DEPTH 0050 LAT 48 11.7 LONG 125 55.2
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
.75
0
-.75
7.0
12.0
32.0
33.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

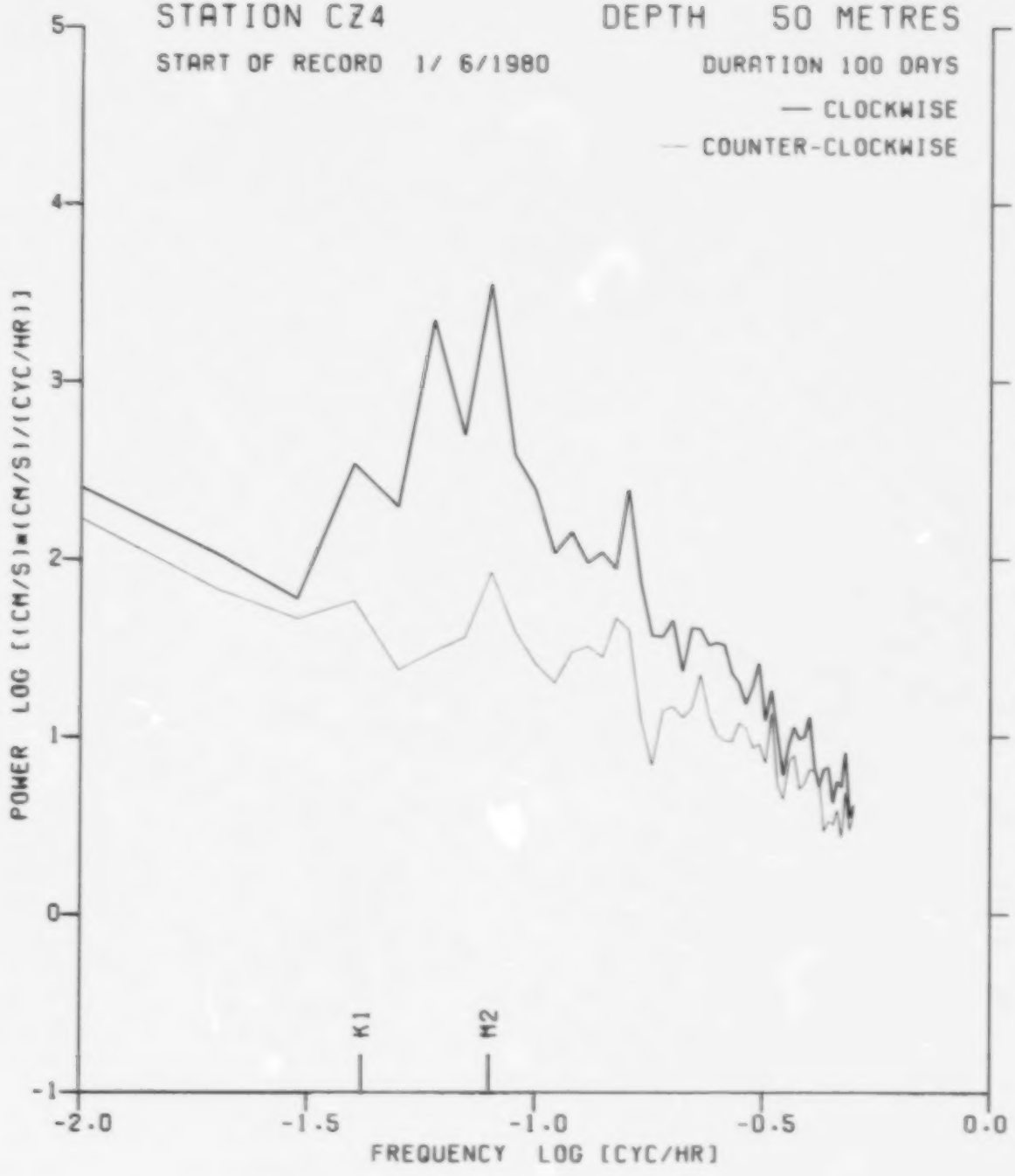
Stn CZ4 Depth 0050 PACHENA POINT 48 11.7 N 125 55.2 W Length of record .EQ. 99 Days
Start of record 0 mn 12 hr 1 dy 6 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

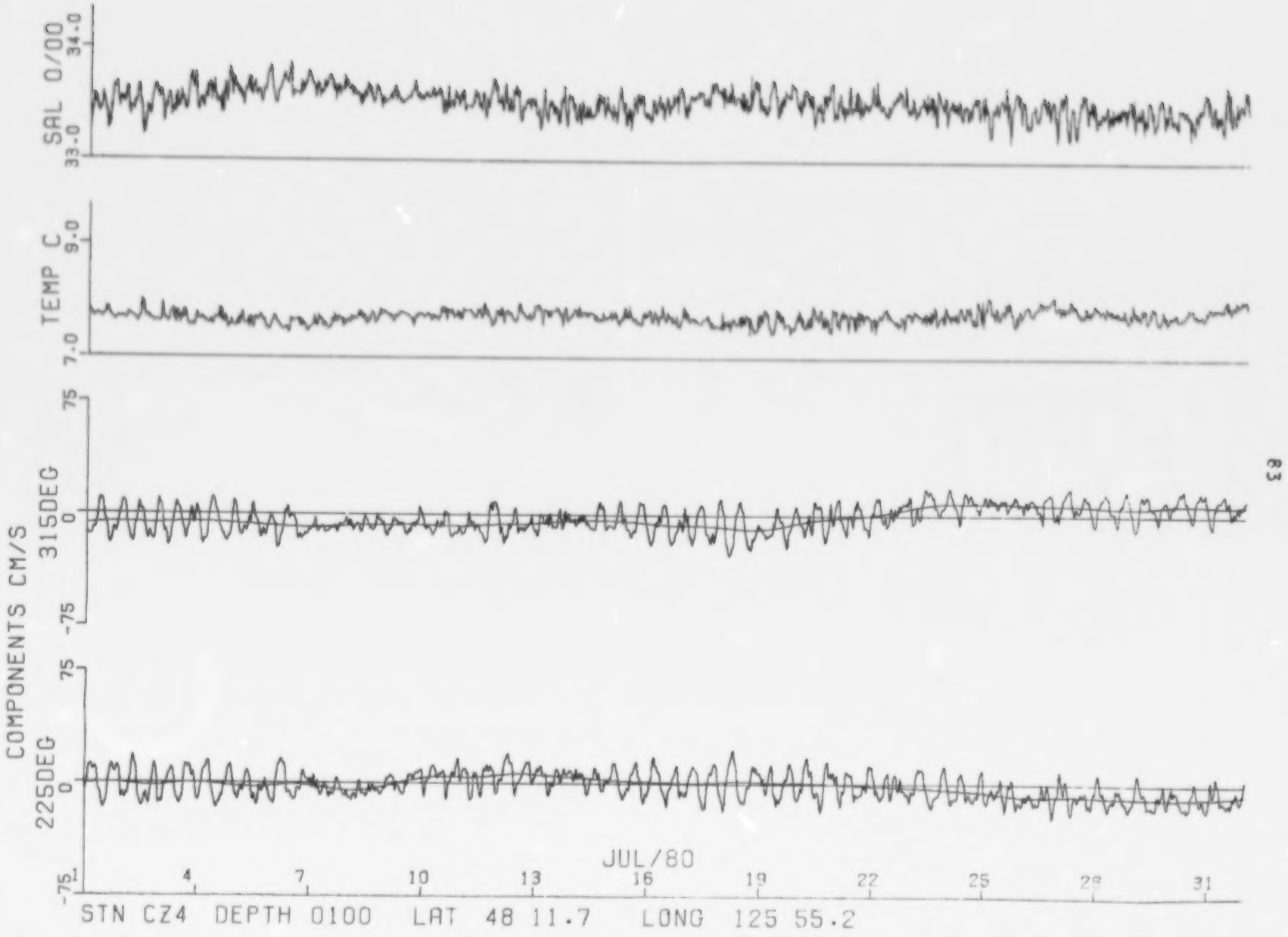
DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	001	024	043	036	010	004																				118
10- 19	001	009	054	041	017	003																				125
20- 29		021	049	054	012	001																				137
30- 39	001	020	041	047	012	005																				126
40- 49		016	044	032	013	002																				107
50- 59		013	060	035	011	003																				122
60- 69		021	050	031	011	005																				118
70- 79		017	032	033	009	001																				92
80- 89		022	044	029	012	002																				109
90- 99	001	022	052	041	014	004																				134
100-109		023	047	035	021	006																				132
110-119	001	018	057	047	026	015	003																			167
120-129		021	043	054	040	017	009																			184
130-139	001	020	058	078	041	030	004	001																		233
140-149	001	022	066	086	042	026	010																			253
150-159	001	027	082	099	064	035	013																			321
160-169		018	074	102	049	045	011																			299
170-179	001	031	075	095	075	026	007																			310
180-189	001	009	071	094	049	025	004	001																		254
190-199	002	015	054	051	019	010	001																			152
200-209		016	041	055	009	003	003	001																		128
210-219		010	049	040	004	003	001																			107
220-229	001	008	041	031	002	001																				84
230-239	001	013	039	023	001																					77
240-249	002	009	032	014	002	004																				63
250-259		012	033	012	001	001																				59
260-269		018	032	014	005																					69
270-279		015	028	014	006																					63
280-289		008	026	014	005	002																				55
290-299	002	011	043	018	003																					77
300-309		011	032	017	002																					62
310-319	001	015	033	015	002	001																				57
320-329		008	034	025	001																					68
330-339		020	045	025	002	001																				93
340-349		021	040	041	007																					109
350-359		013	047	047	008	002																				117
	19	597	1691	1525	607	283	66	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4791

Number of zero rates: 0

PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM


STATION CZ4
DEPTH 50 METRES
START OF RECORD 1/ 6/1980
DURATION 100 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN CZ4 DEPTH 0100 LAT 48 11.7 LONG 125 55.2
JUN/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
7.0
9.0
33.0
34.0


SAL O/OO
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0100 LAT 48 11.7 LONG 125 55.2

SAL 0/00
33.0
34.0
TEMP C
7.0
9.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
STN CZ4 DEPTH 0100 LAT 48 11.7 LONG 125 55.2
AUG/80
1
4
7
10
13
16
19
22
25
28
31

STN CZ4 DEPTH 0100 LAT 48 11.7 LONG 125 55.2
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO

FREQUENCY DISTRIBUTION of DIRECTION and RATE

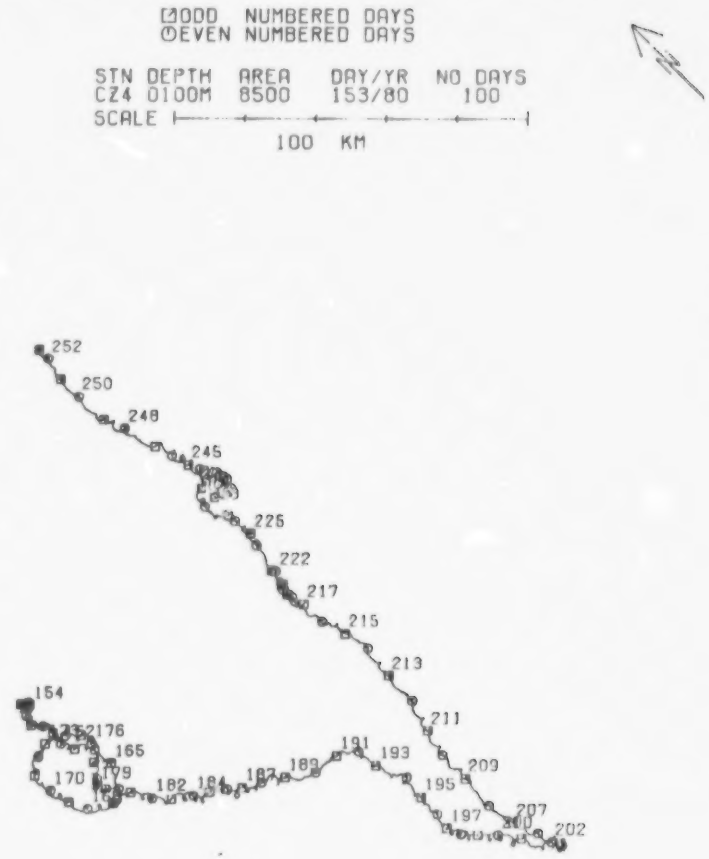
Stn CZ4 Depth 0100 PACHENA POINT 48 11.7 N 125 55.2 W Length of record .EQ. 99 Days
Start of record 0 mn 12 hr 1 dy 6 mo 80 yr PST Rate of obser. = 2 per Hour

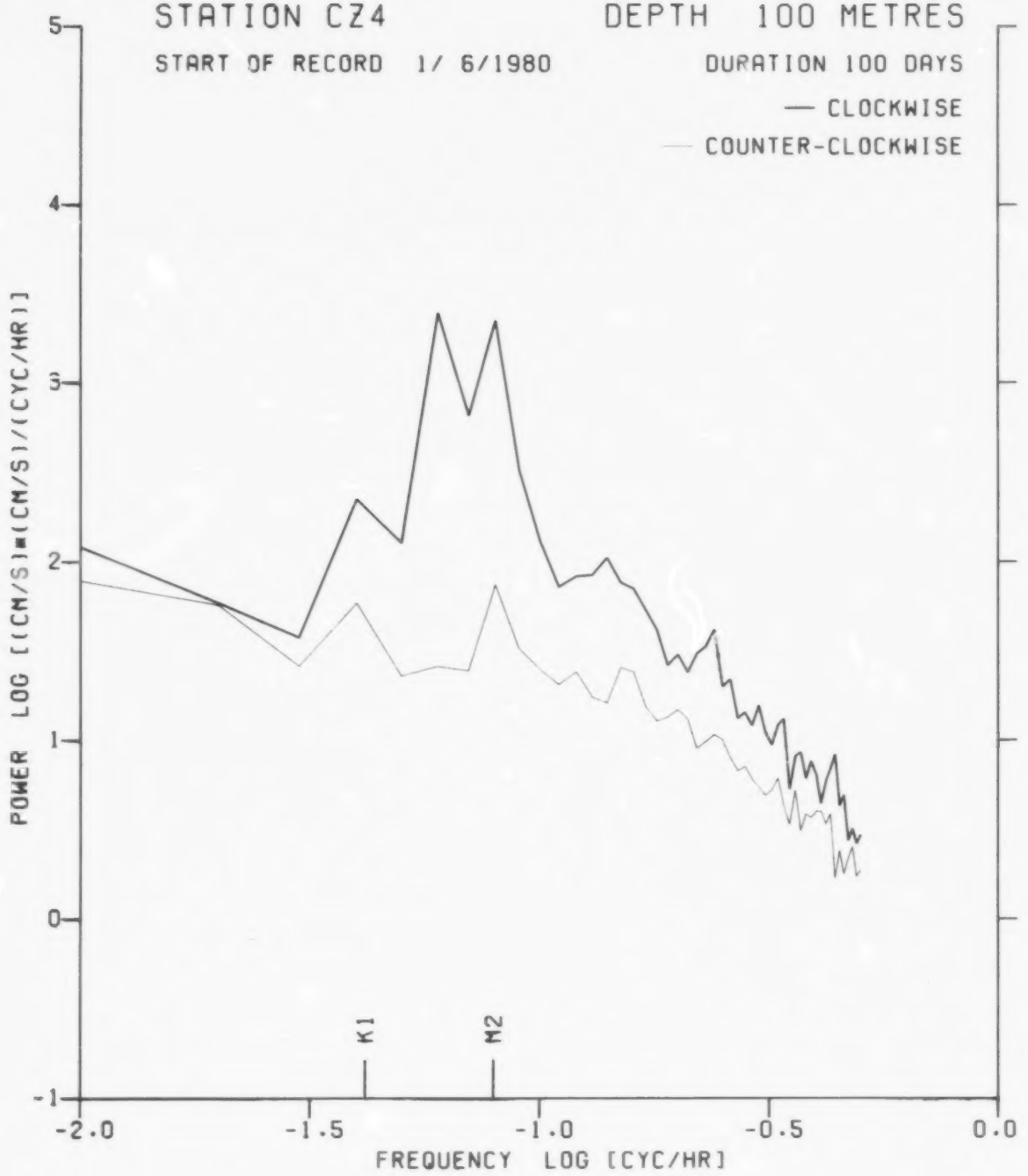
cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	001	067	089	042	003																					202
10- 19	002	075	101	046	004																					228
20- 29	004	064	090	036	001																					195
30- 39		058	075	037	005																					175
40- 49	003	048	056	020	002																					129
50- 59	003	046	045	019	002																					115
60- 69	002	053	061	012	001																					129
70- 79		048	058	018	002																					118
80- 89	002	048	040	017	002																					109
90- 99	001	042	044	020	002																					109
100-109		036	060	018	004																					118
110-119		071	062	016	002																					151
120-129	001	051	076	019	004																					151
130-139	003	037	061	029	007																					137
140-149	003	048	070	019	005	001																				146
150-159		047	060	026	005	002																				140
160-169	002	051	055	020	005	001																				142
170-179	001	044	068	037	002	002																				154
180-189	001	035	052	019	005																					112
190-199	003	041	055	028	005	001																				133
200-209	001	050	060	024	007	001																				143
210-219	001	046	057	017	002																					123
220-229		041	043	009	001																					94
230-239	002	054	051	004																						111
240-249		042	035	006	002																					85
250-259	001	042	042	016	001																					102
260-269	001	038	044	008																						91
270-279	003	043	035	009																						90
280-289	002	031	039	014	002																					88
290-299		036	042	015																						93
300-309		040	051	020																						111
310-319	001	037	050	028																						116
320-329	002	033	043	016	001																					95
330-339	001	035	073	028	002																					139
340-349	001	067	090	045	002																					205
350-359	002	055	096	048	011																					212
	1700		813		8		0		0		0		0		0		0		0		0		0		0	4[illegible]1
	50	2121		99		0		0		0		0		0		0		0		0		0		0		

Number of zero rates: 0

PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

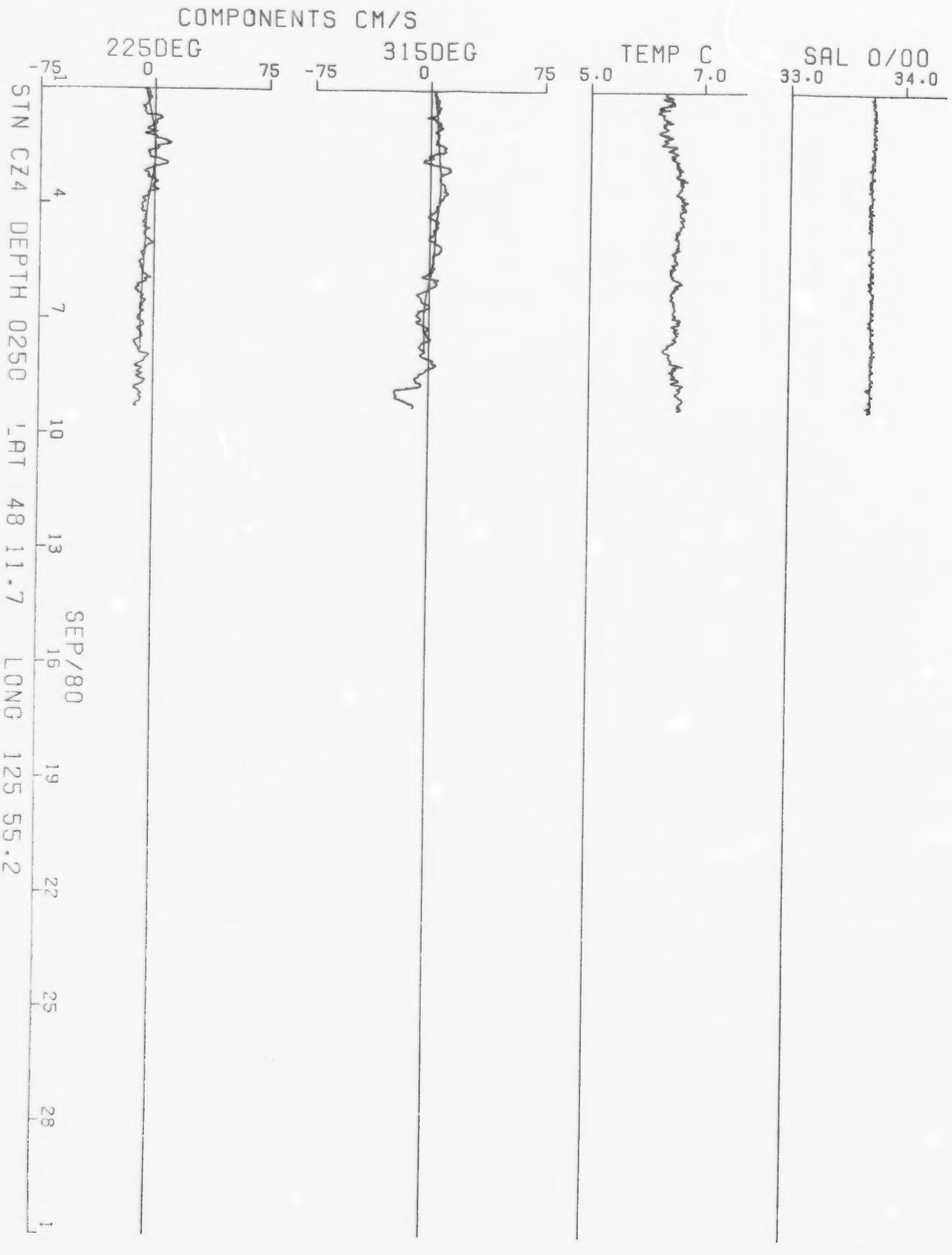



STATION CZ4
DEPTH 100 METRES
START OF RECORD 1/ 6/1980
DURATION 100 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

SAL O/OO
33.0
34.0
TEMP C
5.0
7.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JUN/80
4
7
10
13
16
19
22
25
28
STN CZ4 DEPTH 0250 LAT 48 11.7 LONG 125 55.2

STN CZ4 DEPTH 0250 LAT 48 11.7 LONG 125 55.2
JUL/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
5.0
7.0
33.0
34.0

STN CZ4 DEPTH 0250 LAT 48 11.7 LONG 125 55.2
AUG/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
5.0
7.0
33.0
34.0


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
-75
0
75
5.0
7.0
33.0
34.0
STN CZ4 DEPTH 0250 LAT 48 11.7 LONG 125 55.2
SEP/80
4
7
10
13
16
19
22
25
28
1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0250 PACHENA POINT 48 11.7 N 125 55.2 W Length of record .EQ. 99 Days
Start of record 0 mn 12 hr 1 dy 6 mo 00 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	035	137	054	013																						239
10- 19	034	121	020	002																						177
20- 29	028	134	028	003																						193
30- 39	024	081	032																							137
40- 49	023	062	014																							99
50- 59	024	067	012																							103
60- 69	027	031	014																							72
70- 79	024	027	022																							73
80- 89	027	032	021	003																						83
90- 99	026	020	005	003	001																					55
100-109	021	017	002	004	001	001																				46
110-119	010	013		001	011																					35
120-129	016	021	003																							40
130-139	014	023	004																							41
140-149	012	020	005	001																						46
150-159	009	032	006	002																						49
160-169	012	035	024	006	001																					78
170-179	012	040	030	010	001																					101
180-189	015	043	052	002																						112
190-199	008	051	032	004																						95
200-209	017	037	036	002																						92
210-219	011	041	017	001																						70
220-229	021	055	006	002																						84
230-239	020	043	002																							65
240-249	016	060	005																							81
250-259	019	056	010																							85
260-269	018	061	008																							87
270-279	018	071	011																							100
280-289	021	085	012	002																						120
290-299	027	115	017	005	003																					167
300-309	019	146	052	018	004																					239
310-319	028	158	077	051	009	001																				324
320-329	029	156	130	074	017																					406
330-339	031	160	137	082	019																					429
340-349	044	162	099	025	005																					335
350-359	032	114	062	019	006																					233
	2535		335		2		0		0		0		0		0		0		0		0		0		0	4791
	772	1069		78		0		0		0		0		0		0		0		0		0		0		

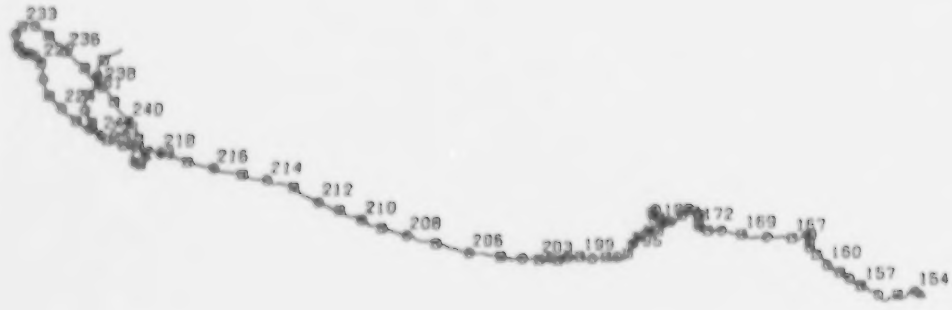
Number of zero rates: 0

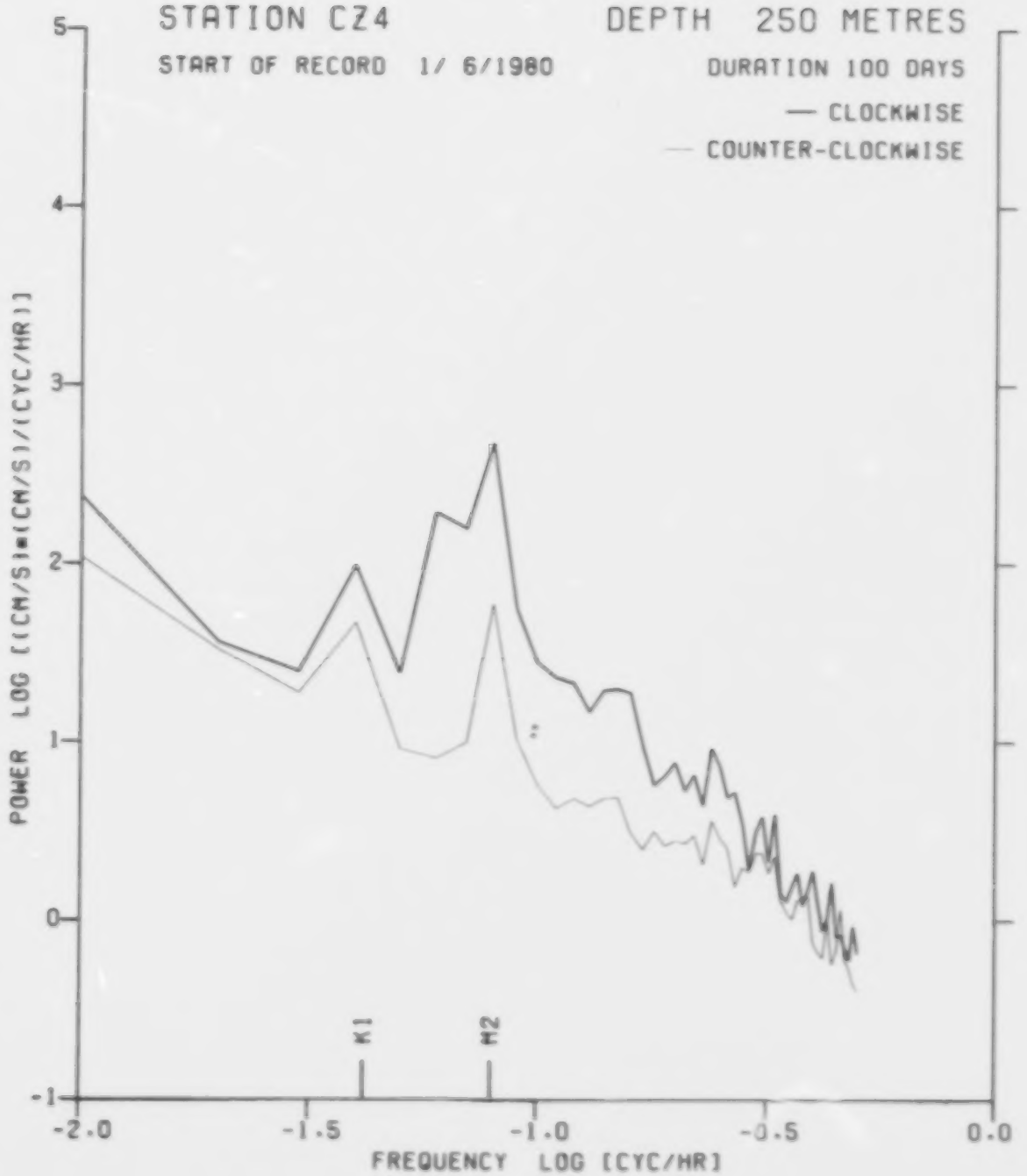
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

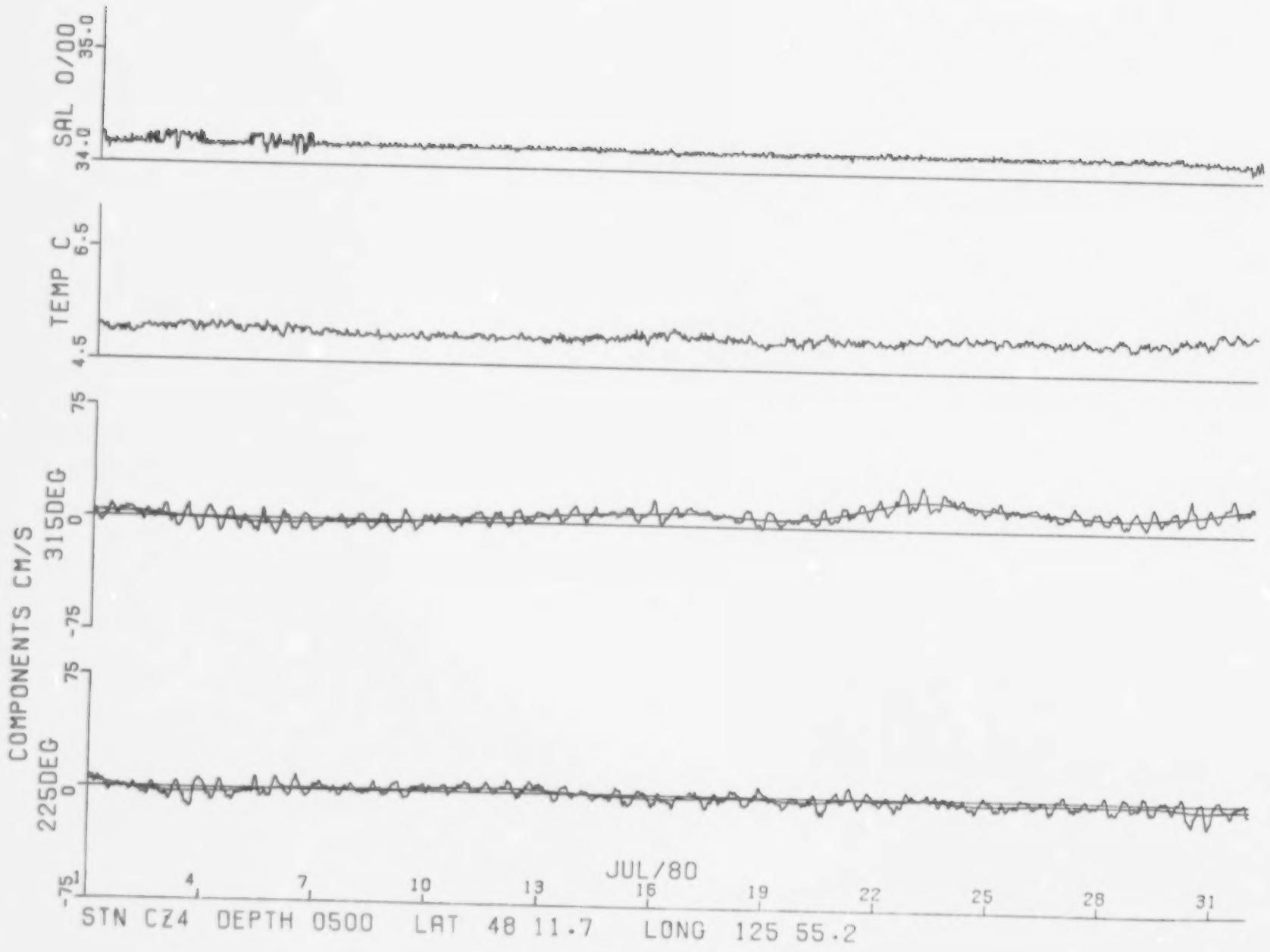
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0250M	8500	153/80	100

SCALE 100 KM




STATION CZ4
DEPTH 250 METRES
START OF RECORD 1/ 6/1980
DURATION 100 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN CZ4 DEPTH 0500 LAT 48 11.7 LONG 125 55.2
JUN/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
4.5
6.5
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
6.5
4.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN CZ4 DEPTH 0500 LAT 48 11.7 LONG 125 55.2

STN CZ4 DEPTH 0500 LAT 48 11.7 LONG 125 55.2
AUG/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
34.0
35.0
6.5
4.5
75
0
-75

STN CZ4 DEPTH 0500 LAT 48 11.7 LONG 125 55.2
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
4.5
6.5
34.0
35.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CZ4 Depth 0500 PACHENA POINT 48 11.7 N 125 55.2 W Length of record .EQ. 99 Days
Start of record 0 mn 12 hr 1 dy 6 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	038	081	034	007	002																					162
10- 19	033	064	011	001	002																					111
20- 29	031	049	004																							84
30- 39	019	046	003																							68
40- 49	023	037	008																							68
50- 59	022	037	007																							66
60- 69	022	019	007	001																						49
70- 79	021	041	009	001																						72
80- 89	019	045	010	002																						76
90- 99	013	042	014	003	001																					73
100-109	017	053	022	002																						94
110-119	021	051	028																							100
120-129	013	052	024	001																						90
130-139	014	058	019	003																						86
140-149	016	033	017	005																						71
150-159	016	026	023	018	005																					88
160-169	016	023	019	016	004	001																				79
170-179	012	022	024	022	011	001																				92
180-189	028	027	018	015	004																					92
190-199	025	021	024	007	001																					78
200-209	019	025	015	004																						63
210-219	022	024	006																							52
220-229	012	026	005	001																						44
230-239	012	024	001	001																						38
240-249	031	030	001	001																						63
250-259	029	042	005	005																						81
260-269	026	050	007	001																						84
270-279	037	048	011	003																						99
280-289	031	067	017	003																						118
290-299	043	094	052	005	001																					195
300-309	040	139	078	039	004																					300
310-319	050	176	120	071	019	006																				442
320-329	055	148	152	119	037	006																				517
330-339	039	142	156	072	019	002																				430
340-349	044	142	089	044	006																					325
350-359	033	121	062	023	001																					240
	942	2117	1102	496	117	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4732

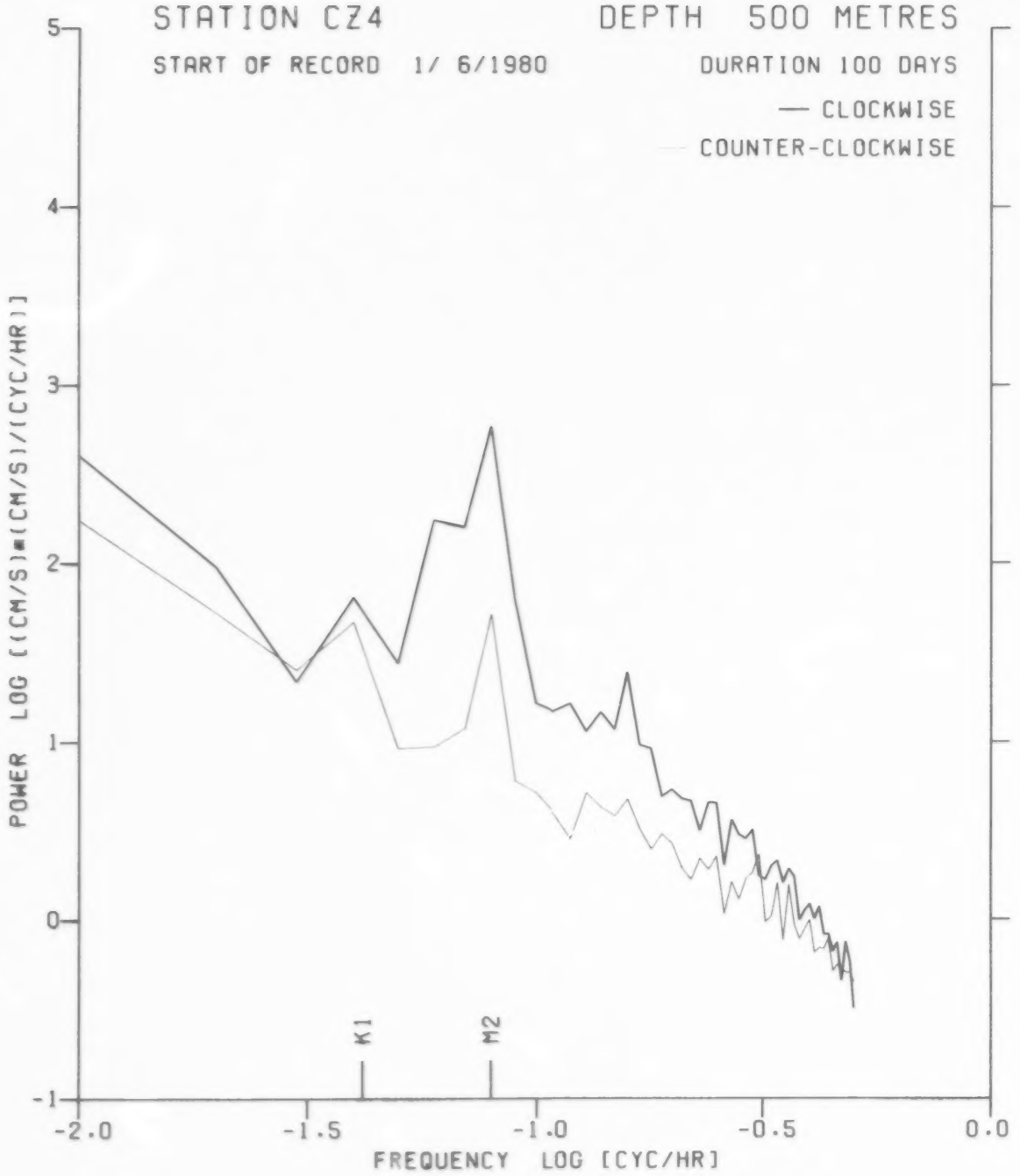
Number of zero rates: 0

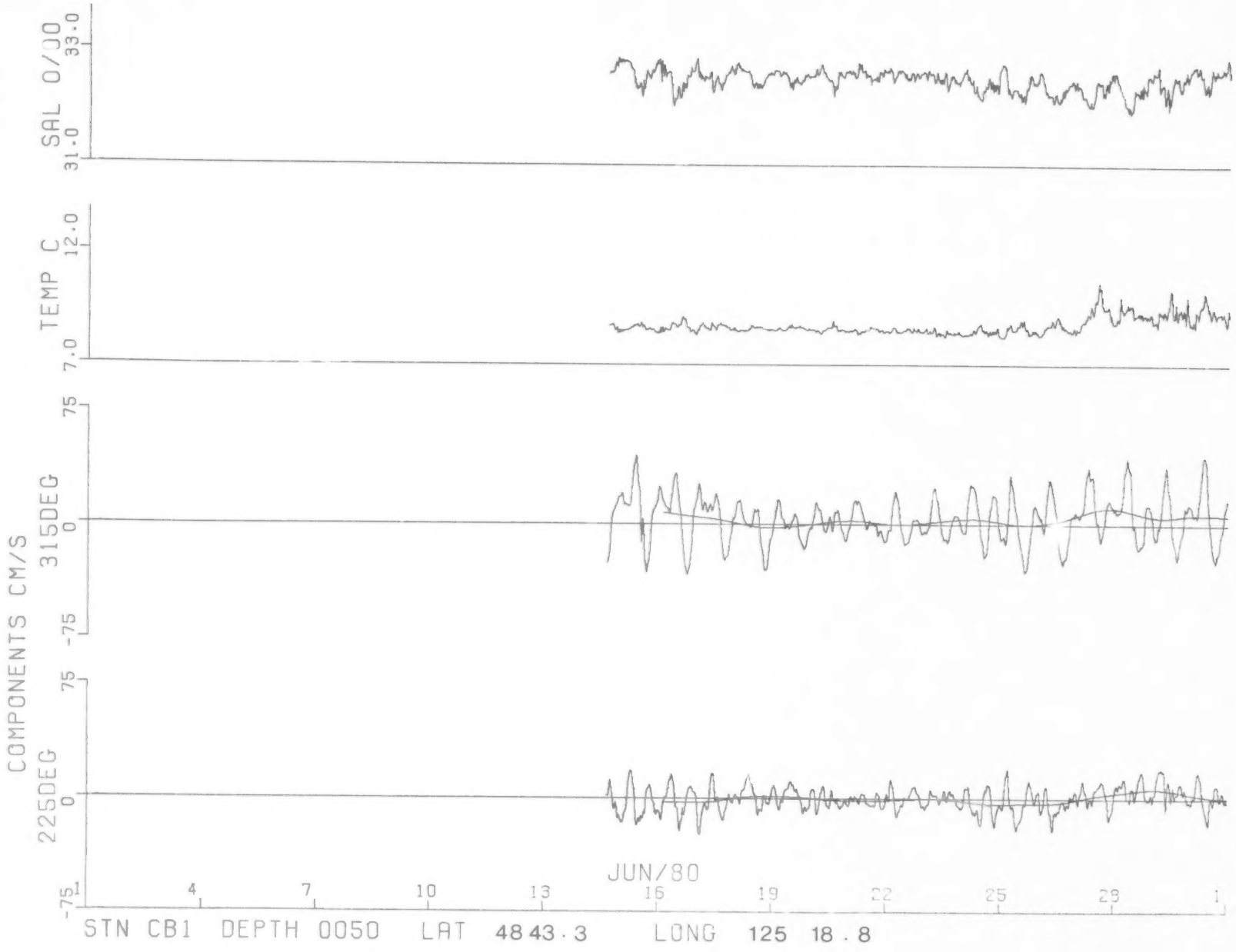
PACHENA POINT
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

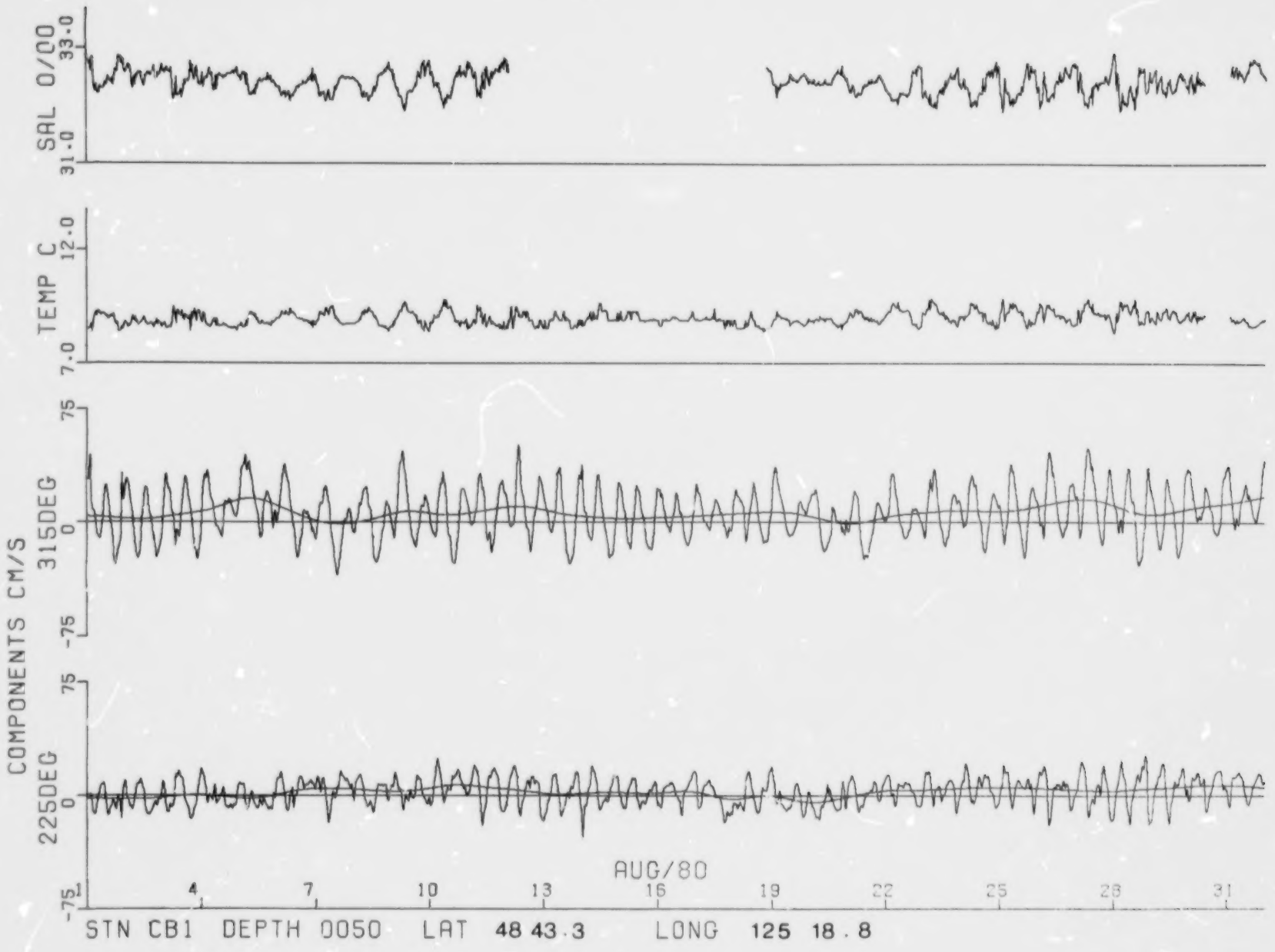
STN	DEPTH	AREA	DAY/YR	NO DAYS
CZ4	0500M	8500	153/80	100

SCALE 100 KM


STATION CZ4
DEPTH 500 METRES
START OF RECORD 1/ 6/1980
DURATION 100 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)*(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN CB1 DEPTH 0050 LAT 4843.3 LONG 125 18.8

SAL 0/00
31.0
33.0
TEMP C
7.0
12.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
STN CB1 DEPTH 0050 LAT 4843.3 LONG 125 18.8
JUL/80
1
4
7
10
13
15
19
22
25
28
31


SAL O/OO
33.0
31.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0050 LAT 48 43.3 LONG 125 18.8

SAL 0/00
31.0
33.0
TEMP C
7.0
12.0
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
STN CB1 DEPTH 0050 LAT 4843.3 LONG 125 18.8
SEP/80
1
4
7
10
13
16
19
22
25
28

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CB1 Depth 0050 CAPE BEALE 48 43 .3 N 125 18 .8 W Length of record .EQ. 97 Days
Start of record 0 mn 16 hr 14 dy 6 mo 80 yr PST Rate of obser. = 2 per Hour

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
	cm/s																									
0- 9	004	035	027	012	010	008	001																			
10- 19	005	026	017	013	008	002	001																			97
20- 29	005	030	011	007	004	001																				72
30- 39	001	026	016	005	001																					58
40- 49	003	030	006	005	002																					49
50- 59	005	017	013	005	001																					46
60- 69	003	026	011	004	002																					41
70- 79	003	026	010	006	002																					46
80- 89		028	007	011	003	001	001																			47
90- 99	002	027	022	009	006	002	002																			51
100-109	004	025	023	009	009	010	002																			70
110-119	006	019	022	017	031	010	006																			82
120-129	002	016	020	022	029	023	007	001																		111
130-139	002	024	031	018	033	025	010	001	001																	120
140-149	002	020	022	031	025	014	005	002																		145
150-159	004	023	036	025	027	017	001																			121
160-169		019	025	013	013	009	001																			133
170-179	003	016	036	016	012	001																				80
180-189	003	027	024	023	006																					84
190-199		037	029	016	010																					83
200-209	003	047	025	012	004																					92
210-219	002	031	029	022	004																					91
220-229	001	039	046	022	006																					88
230-239	002	030	042	018	001	002	001																			114
240-249	003	039	044	018	008	002	002																			96
250-259	003	036	041	028	008	007	001																			116
260-269	004	032	043	039	021	013	001																			124
270-279	003	029	041	039	028	012	012	001																		153
280-289	004	032	048	045	034	021	012	009	003																	165
290-299	002	024	050	057	053	025	018	017	005		001															208
300-309	002	030	054	044	054	049	037	023	016	006	001															252
310-319	004	025	060	057	061	063	043	024	015	003																316
320-329	002	021	057	055	058	060	048	025	012	007	001															355
330-339	002	030	042	054	047	043	017	018	004	005	001															346
340-349	003	021	052	045	028	012	010	007	001	001																271
350-359	001	025	040	035	024	017	010	001	001																	130
	98	996	1122	857	673	449	249	129	58	22	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154
																										4657

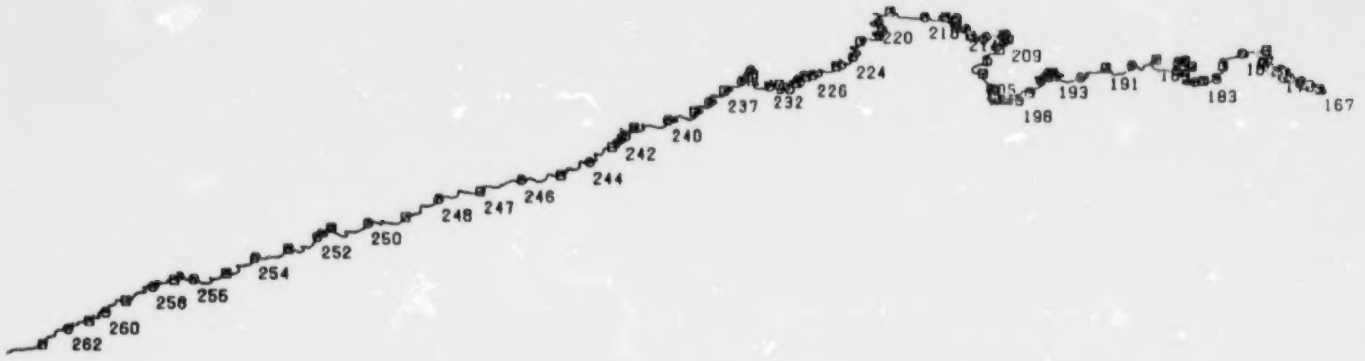
Number of zero rates: 0

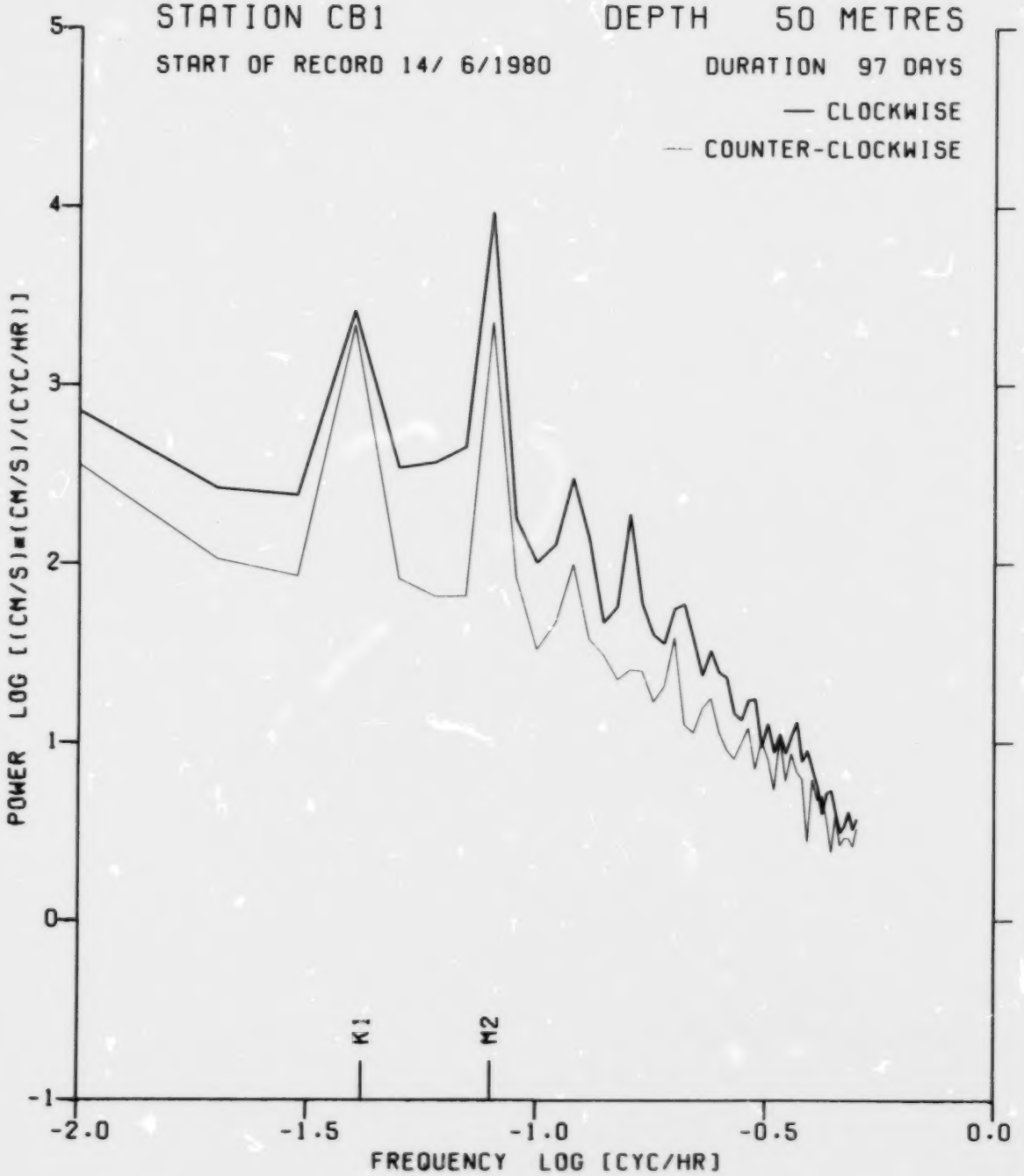
CAPE BEALE
PROGRESSIVE VECTOR DIAGRAM

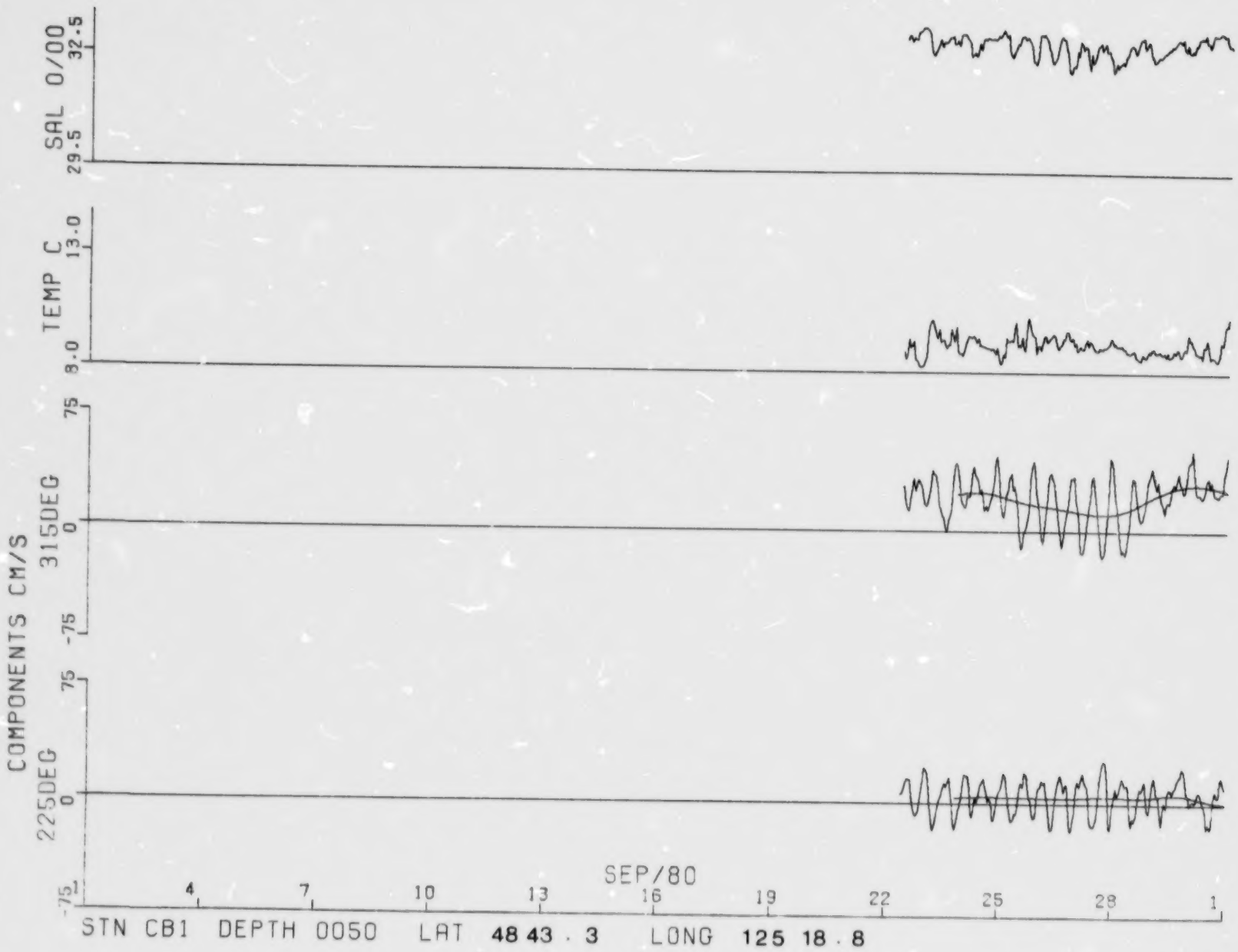
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

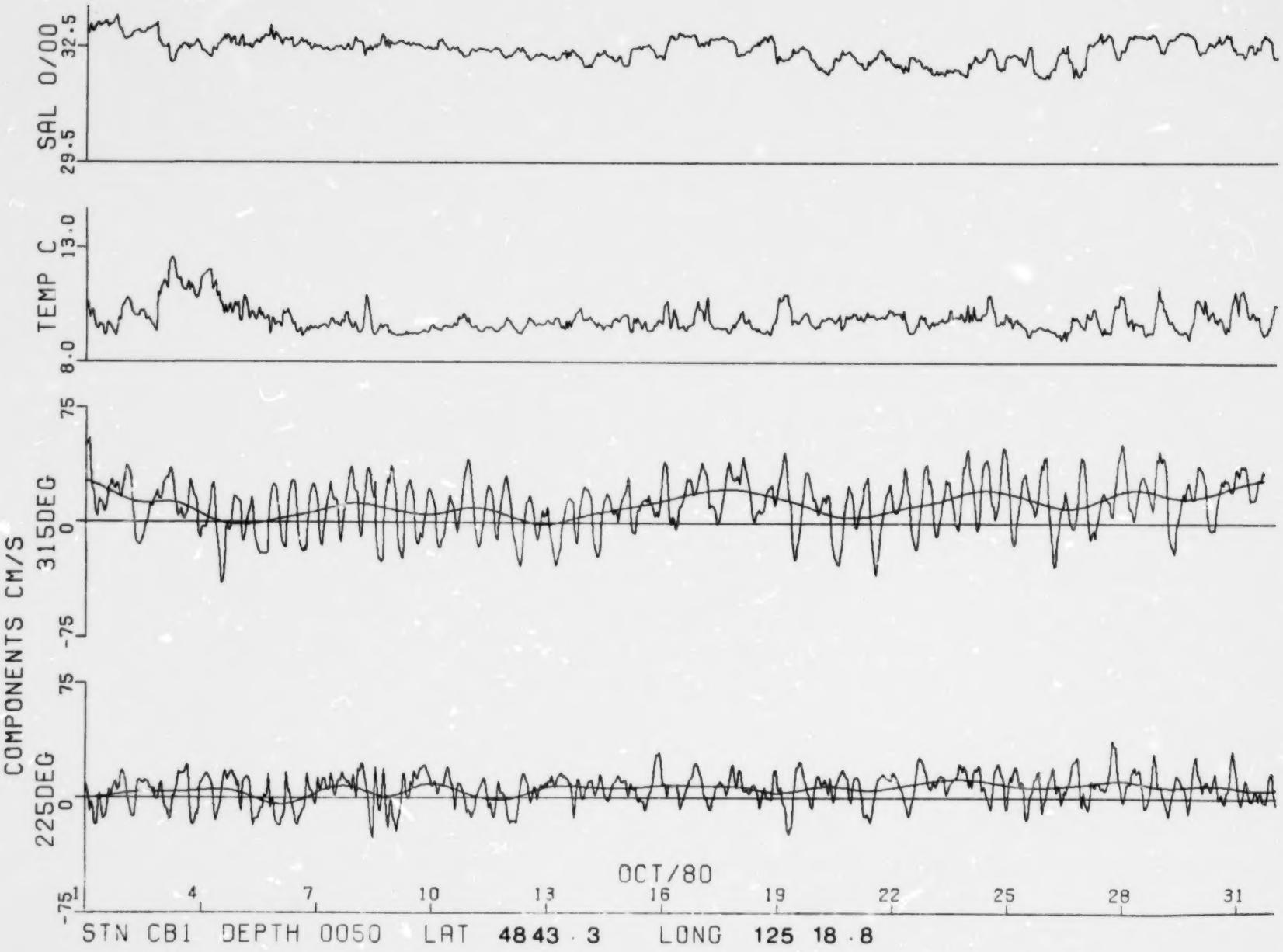
STN	DEPTH	AREA	DAY/YR	NO DAYS
CB1	0050M	8500	166/80	97

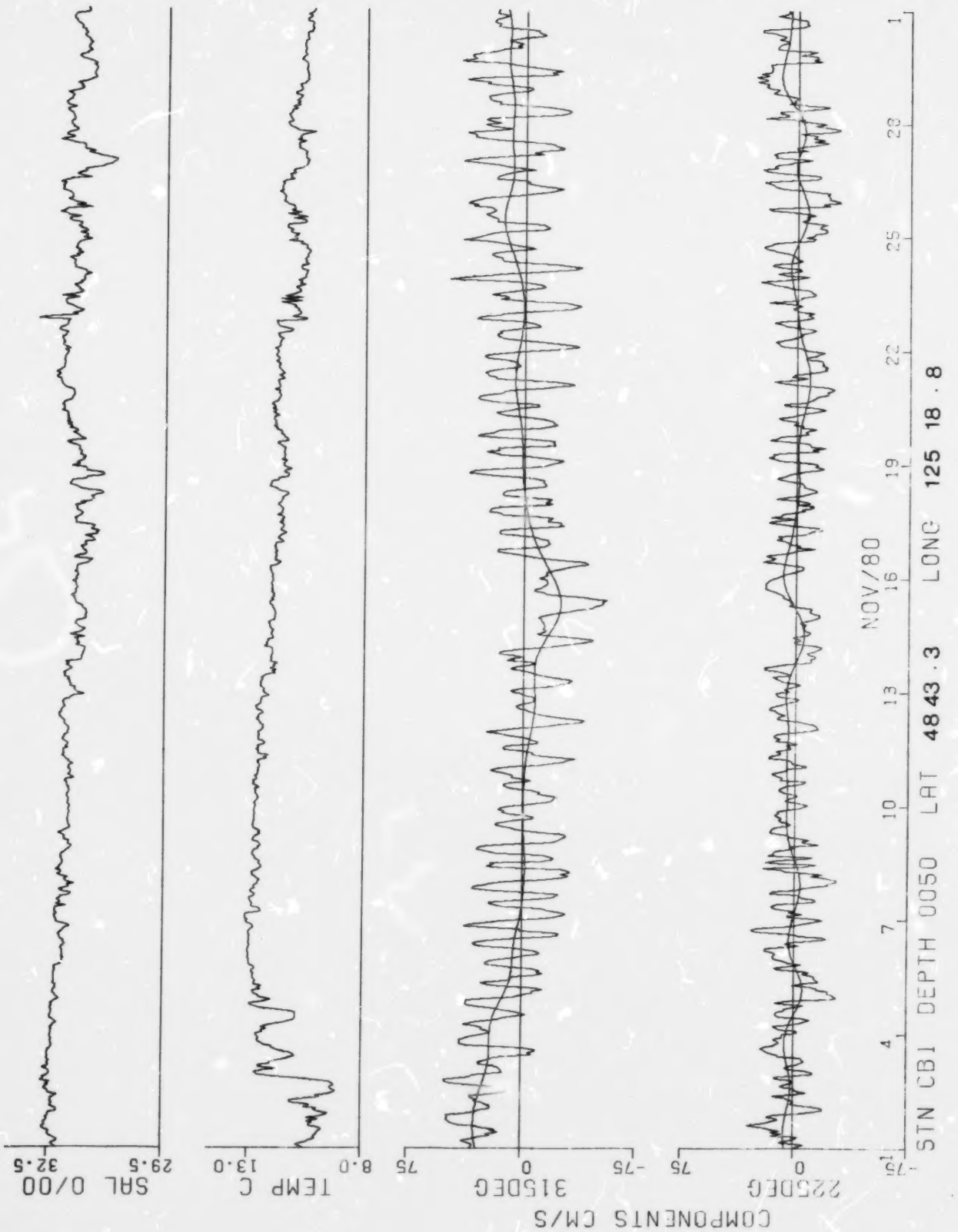
SCALE 100 KM

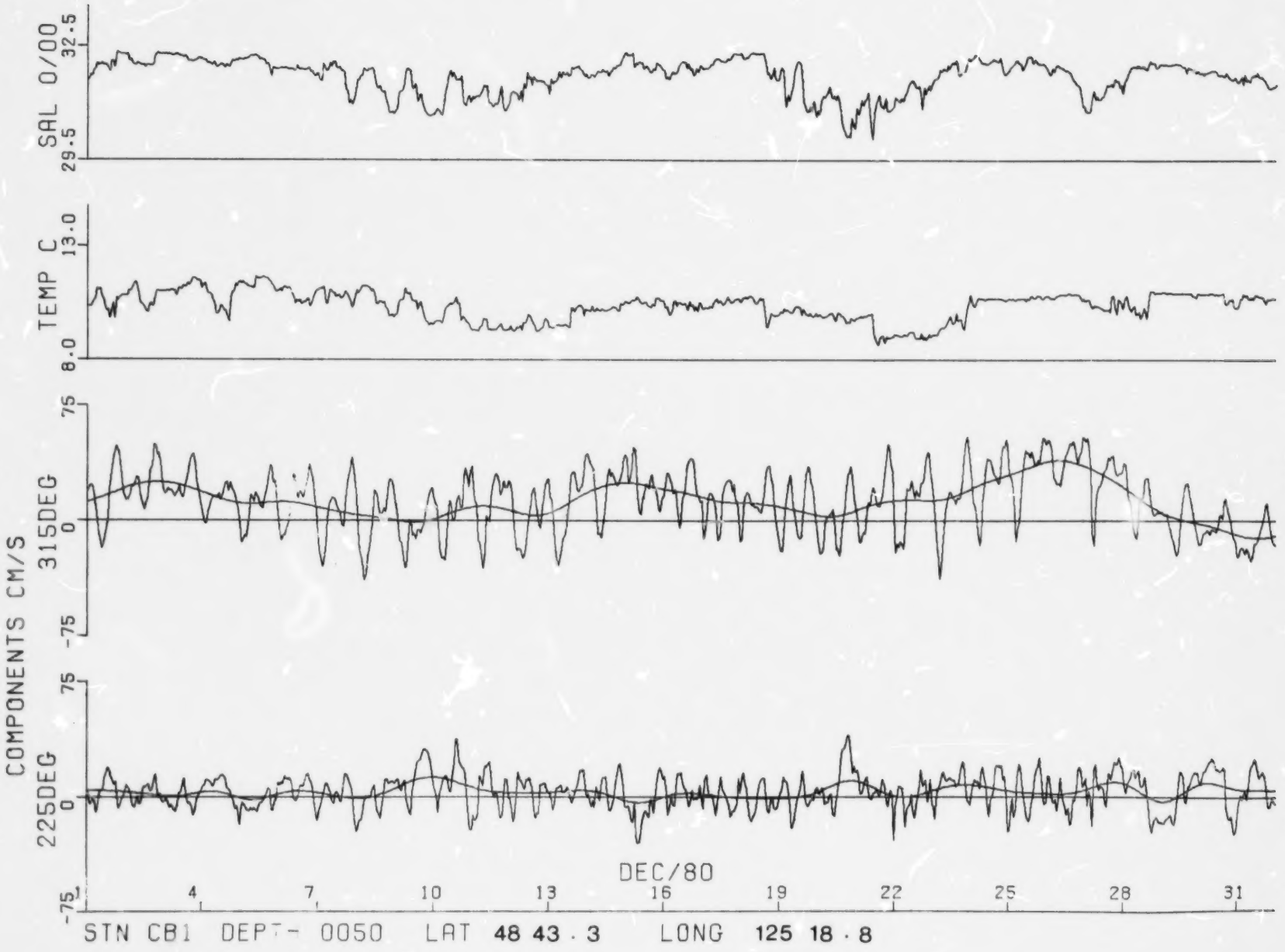


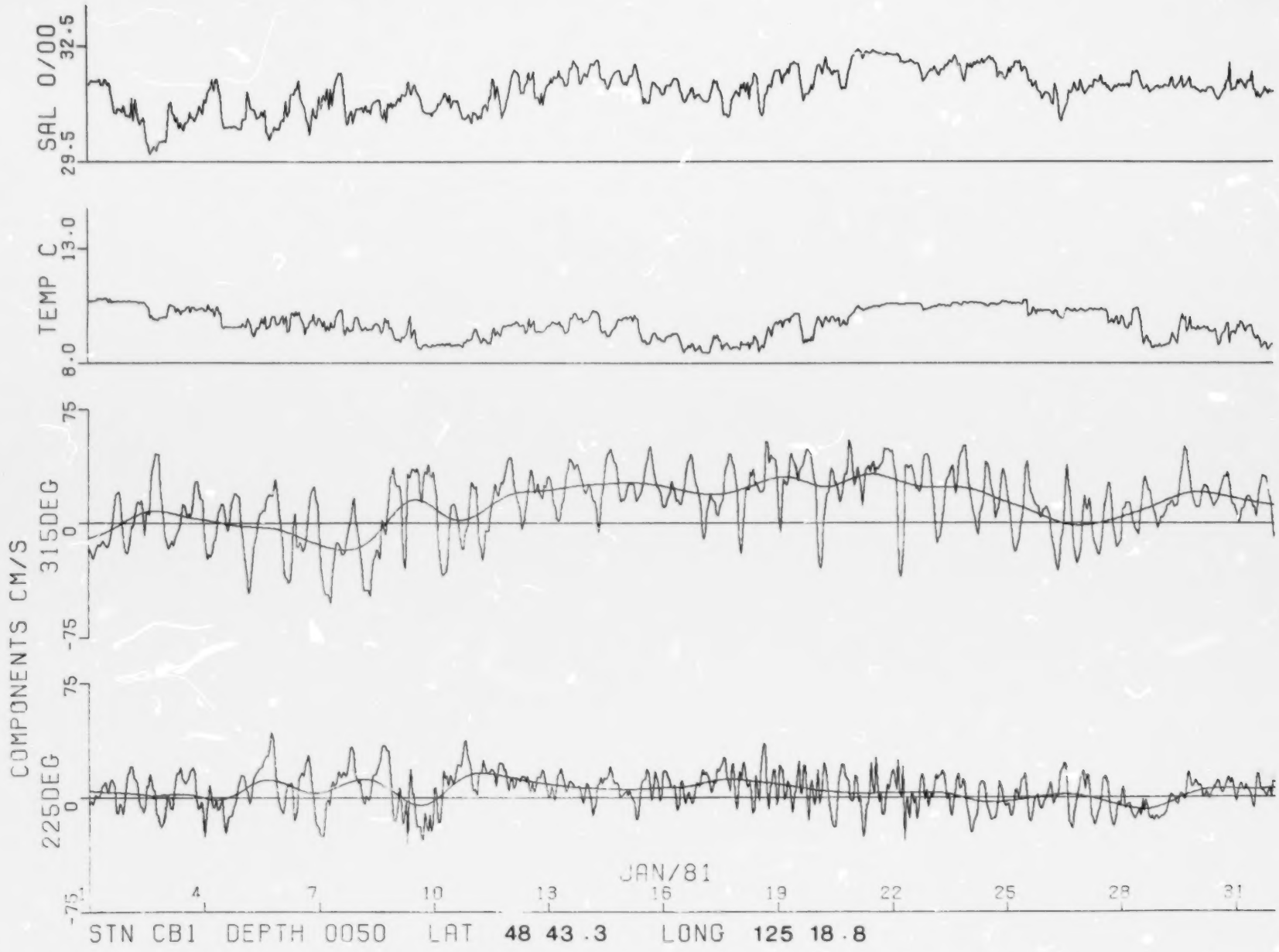

STATION CB1
DEPTH 50 METRES
START OF RECORD 14/ 6/1980
DURATION 97 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
32.5
29.5
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
4
7
10
13
16
19
22
25
28
1
STN CB1 DEPTH 0050 LAT 48 43 . 3 LONG 125 18 . 8


SAL O/OO
32.5
29.5
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/80
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0050 LAT 4843 . 3 LONG 125 18 . 8


SAL 0/00
29.5
32.5
TEMP C
8.0
13.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
NOV/80
4
7
10
13
16
19
22
25
28
1
STN CB1 DEPTH 0050 LAT 48 43.3 LONG 125 18.8


SAL O/OO
32.5
29.5
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
DEC/80
STN CB1 DEPT- 0050 LAT 48 43 . 3 LONG 125 18 . 8


SAL O/OO
32.5
29.5
TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/81
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0050 LAT 48 43.3 LONG 125 18.8

SAL O/OO
29.5
32.5
TEMP C
8.0
13.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
4
7
10
13
16
19
22
25
28
FEB/81
STN CB1 DEPTH 0050 LAT 48 43.3 LONG 125 18.8

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CB1 Depth 0050 CAPE BEALE 48 43.3 125 18.8 W Length of record .EQ. 135 Days
Start of record 0 mn 10 hr 22 dy 9 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	002	007	010	011	003	001																			36
10- 19		002	010	011	005	004	005																			37
20- 29		001	010	013	001	003																				28
30- 39		004	011	012	008	002	001																			38
40- 49		003	009	007	002	001																				22
50- 59		004	006	005	001	002	001																			19
60- 69			005	003	005	003																				16
70- 79		004	006	008	003	002																				23
80- 89	001	003	003	010	007	001	001																			26
90- 99			009	011	006	002	002	001																		31
100-109		002	007	007	010	004	001		001																	32
110-119		003	013	012	013	002	004			001																48
120-129		002	011	010	014	010	003	002		002																54
130-139		003	010	018	009	011	009	009	007	005	003															84
140-149			008	025	017	012	008	007	002	002	002															83
150-159		002	012	016	013	013	008	004	001																	69
160-169		006	010	016	009	012		001																		54
170-179		006	019	023	020	009	005	001																		83
180-189		004	015	028	018	005	003																			73
190-199		004	021	021	012	007	001																			66
200-209		001	017	029	008	006	001	001																		63
210-219		007	023	017	007	005	002	001																		62
220-229		003	019	015	014	003	005																			59
230-239		005	026	024	009	003	003	002																		72
240-249		006	022	026	016	003	004	001		001																79
250-259		007	034	028	015	004	006	003	003																	100
260-269		001	019	026	021	013	005		002		002															89
270-279		004	025	044	029	016	024	013	002	002																159
280-289		003	028	053	043	028	019	015	012	005																206
290-299	001	005	025	045	046	040	029	026	017	015	006															255
300-309		004	016	039	044	061	041	037	032	024	012															310
310-319		005	017	037	055	055	040	043	028	015	012															307
320-329		002	021	027	043	033	029	026	017	010	006															214
330-339		008	016	029	023	030	020	024	006	008	004															168
340-349		002	015	027	022	019	010	010	004	001																110
350-359		001	012	006	019	011	010	003	002	001																65
	4	120	537	740	600	438	302	230	136	92	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3246

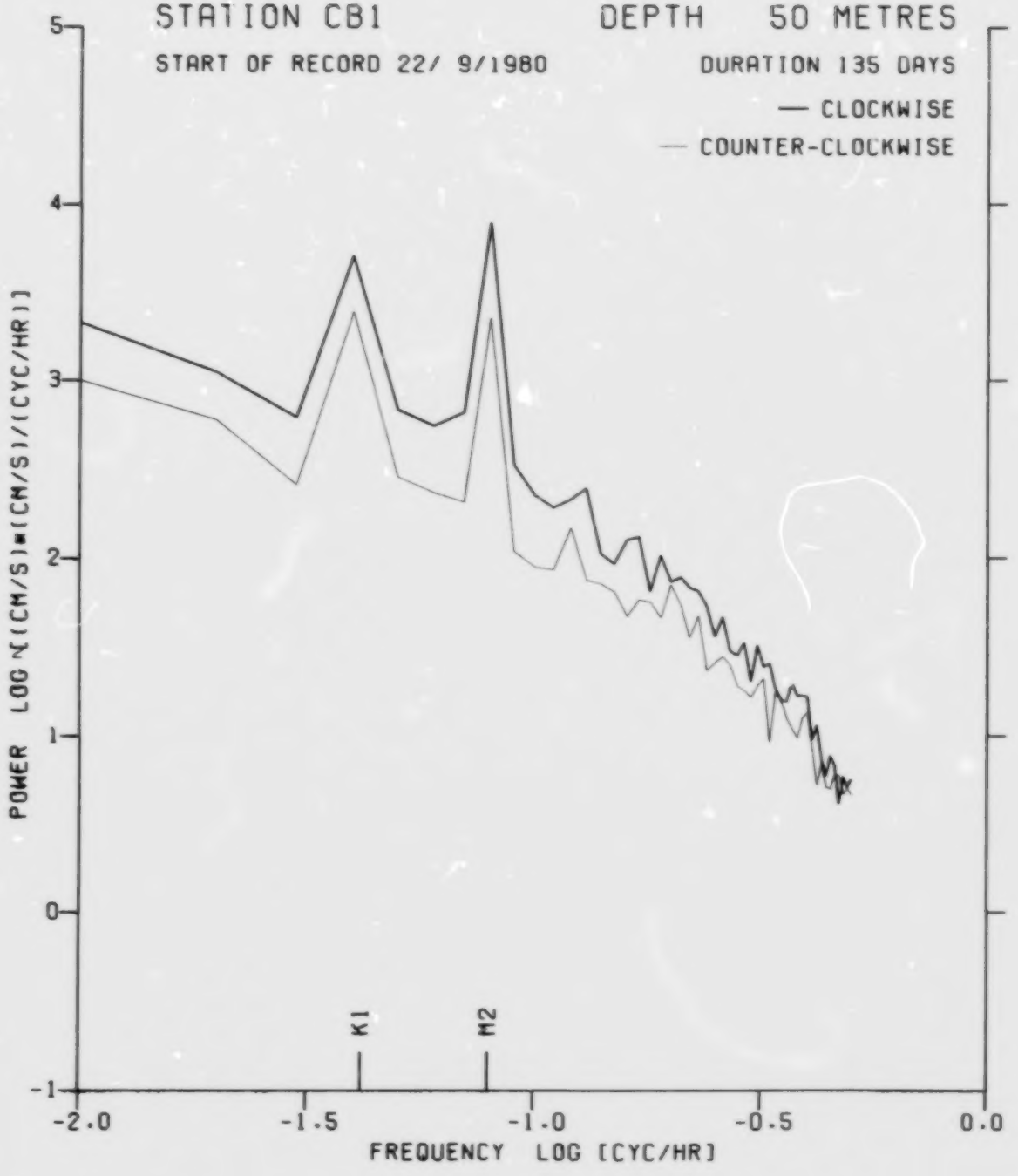
Number of zero rates: 0

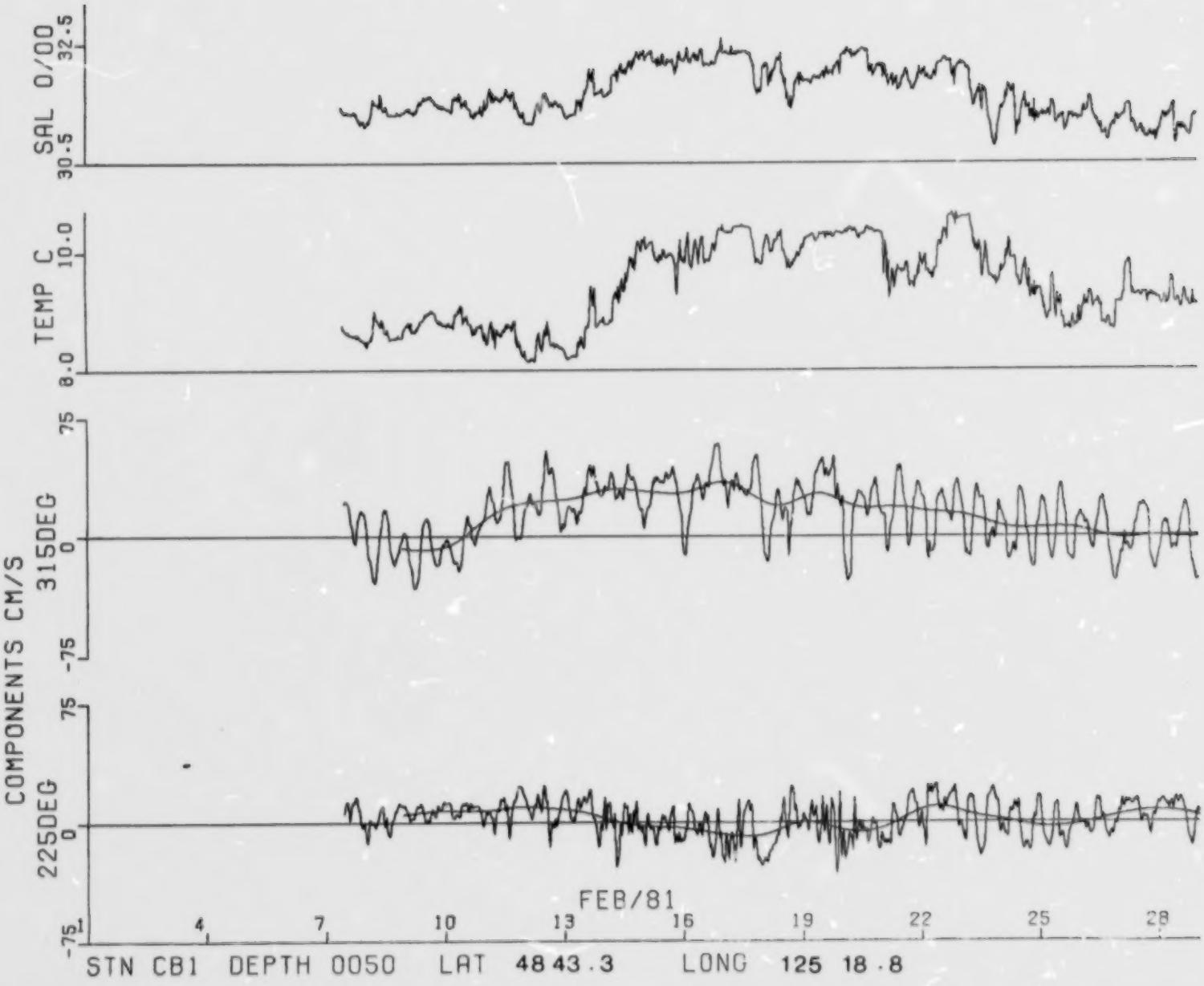
CAPE BEALE
PROGRESSIVE VECTOR DIAGRAM

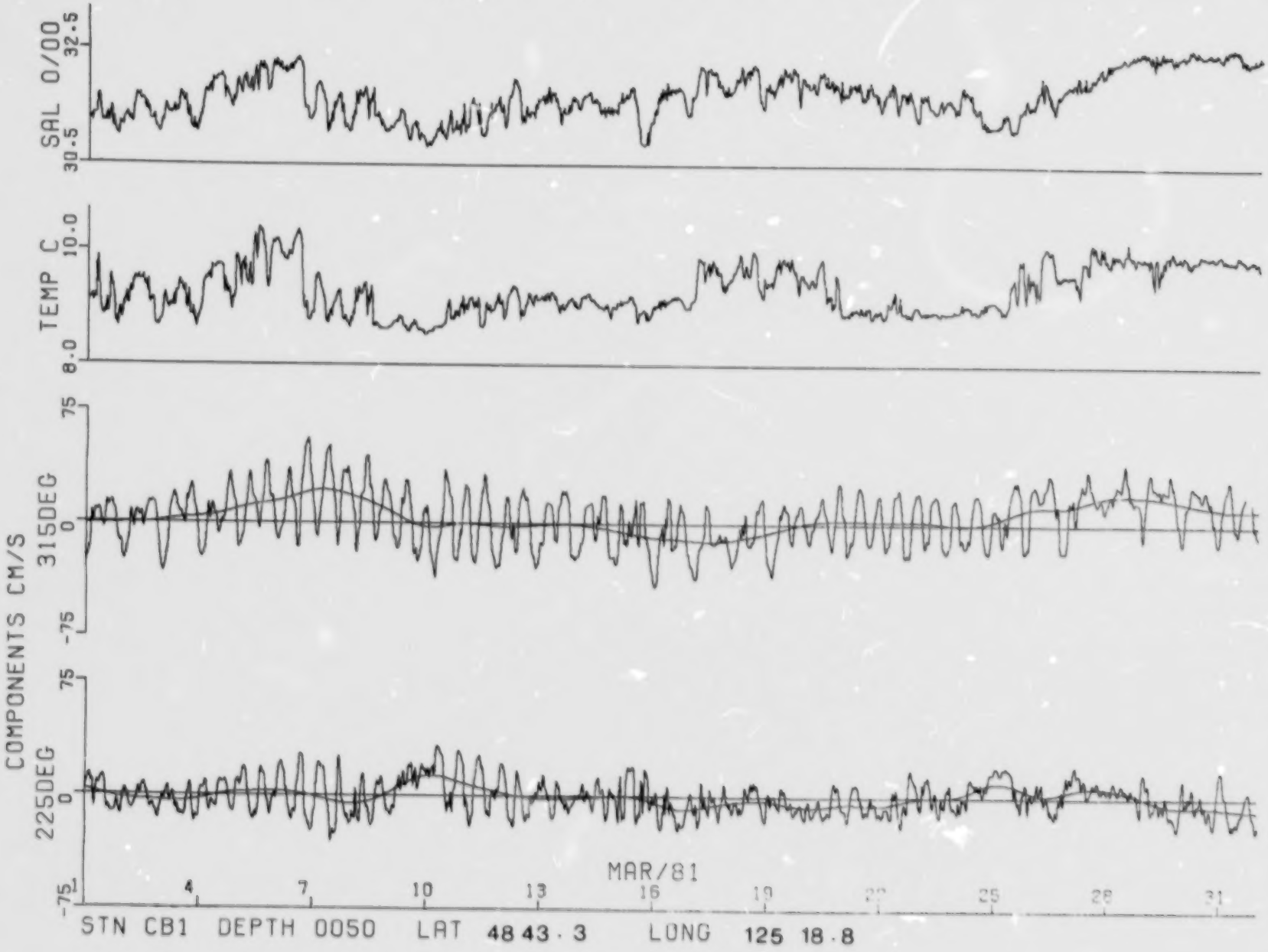
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

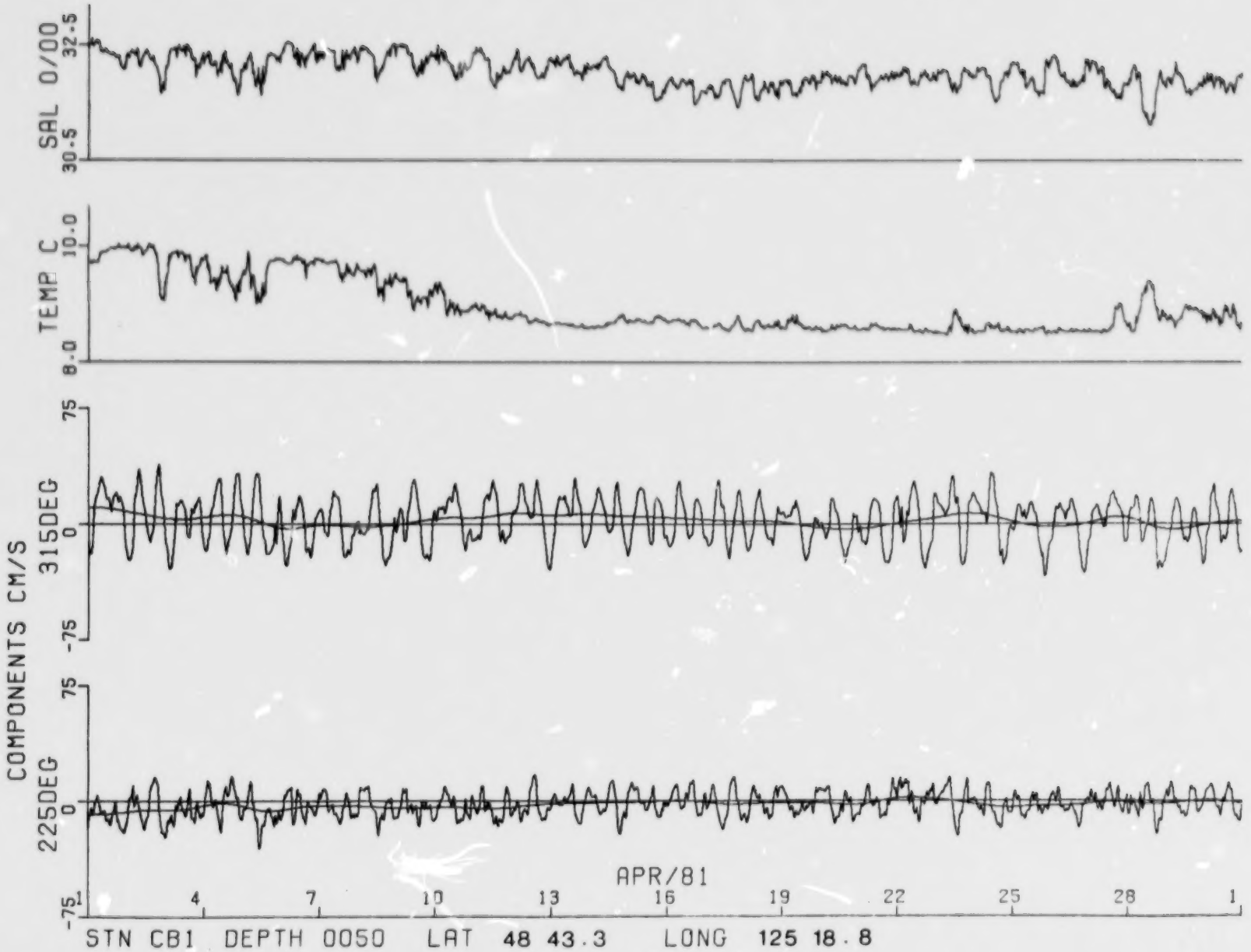
STN	DEPTH	AREA	DAY/YR	NO DAYS
CB1	0050M	8500	266/80	135

SCALE 100 KM


STATION CB1
DEPTH 50 METRES
START OF RECORD 22/ 9/1980
DURATION 135 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)²/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
32.5
30.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
FEB/81
4
7
10
13
16
19
22
25
28
STN CB1 DEPTH 0050 LAT 48 43.3 LONG 125 18.8


SAL O/OO
32.5
30.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/81
4
7
10
13
16
19
25
28
31
STN CB1 DEPTH 0050 LAT 48 43.3 LONG 125 18.8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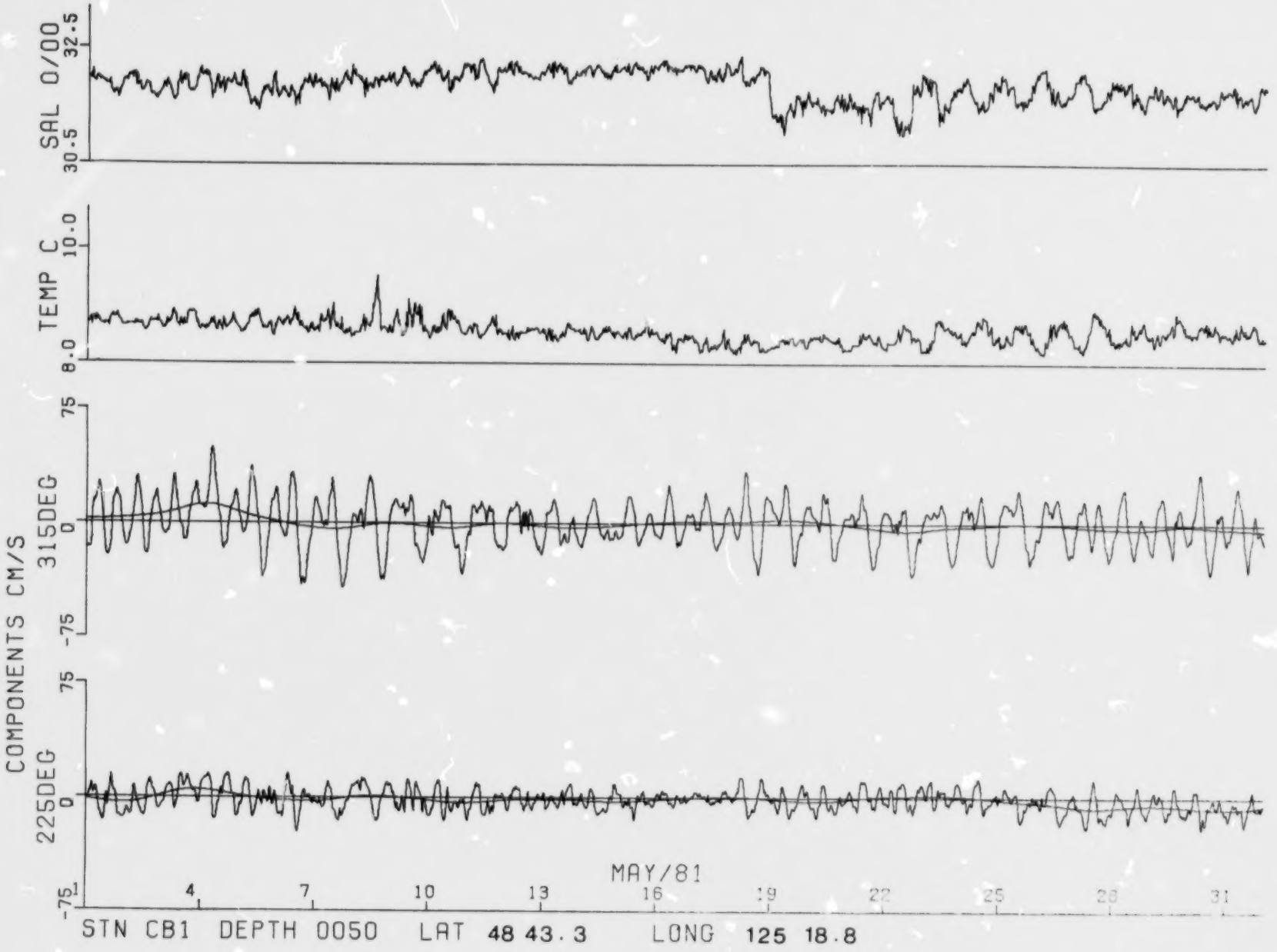
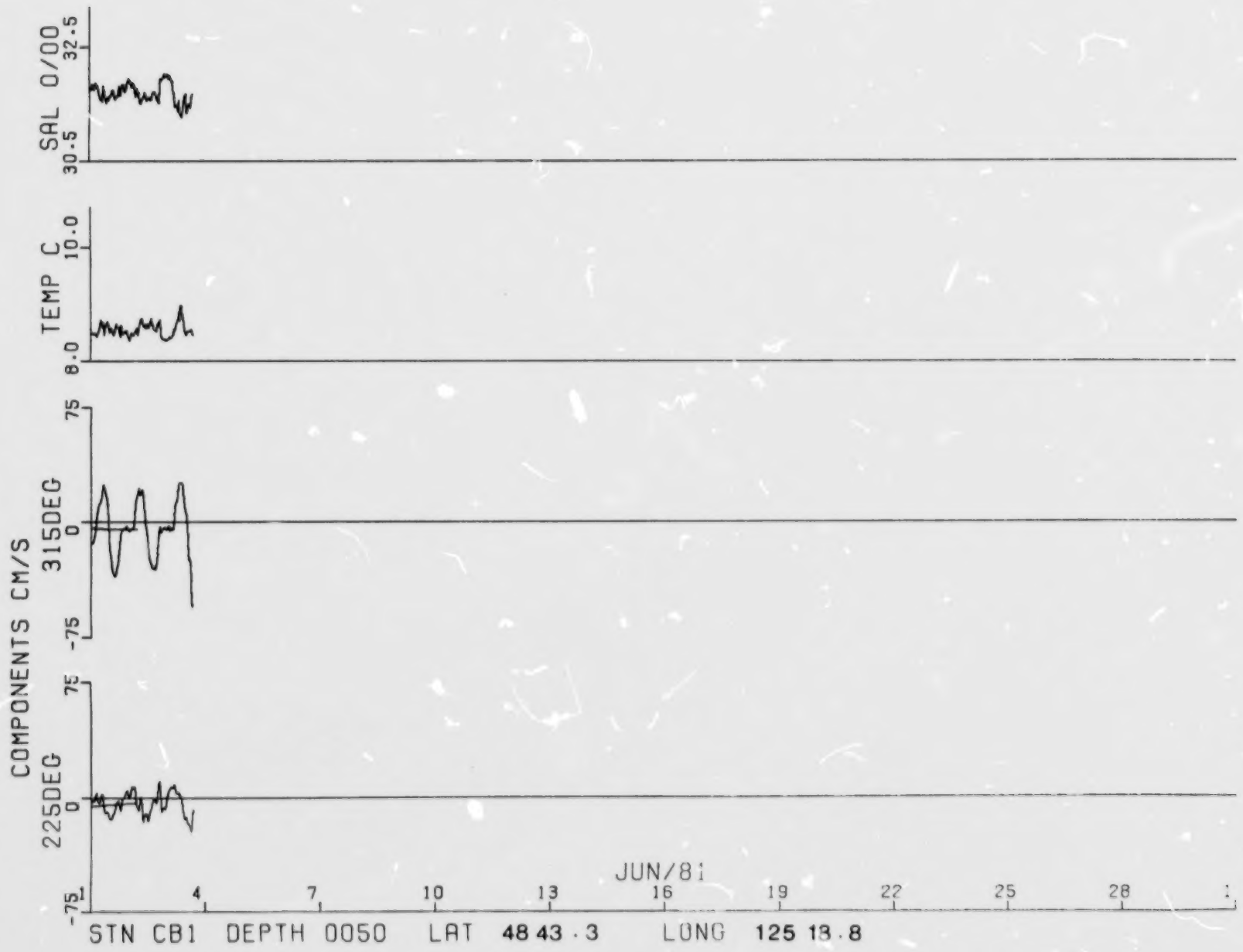
30.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/81
1
4
7
10
13
16
19
22
25
28
1
STN CB1 DEPTH 0050 LAT 48 43.3 LONG 125 18.8


SAL O/OO
32.5
30.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/81
1
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0050 LAT 48 43.3 LONG 125 18.8


SAL 0/00
32.5
30.5
TEMP C
10.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/81
1
4
7
10
13
16
19
22
25
28
STN CB1 DEPTH 0050 LAT 48 43 . 3 LONG 125 13 . 8

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CB1 Depth 0050 CAPE BEALE 48 43.3 N 125 18.8 W Length of record .EQ. 116 Days
Start of record 30 mn 10 hr 7 dy 2 mo 81 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		031	048	046	019	007	001	003	001																	156
10- 19		024	041	027	011	002	003																			108
20- 29	001	027	037	016	009	002																				92
30- 39	006	016	032	013	006																					73
40- 49	002	015	024	014	012																					67
50- 59	005	026	033	017	004																					85
60- 69	001	020	035	017	008	001																				82
70- 79	001	013	036	028	005	005																				88
80- 89		025	037	028	010	005																				105
90- 99	002	013	049	040	021	009	003																			137
100-109		018	050	038	022	020	006			001																155
110-119	001	021	042	032	045	029	011	003	001		001															186
120-129	002	021	073	042	060	038	019	011	005			002														273
130-139	006	020	053	056	047	056	016	010	002																	266
140-149	003	023	043	047	039	018	006	003																		182
150-159	003	022	033	035	011	008	003	001																		116
160-169	001	022	031	028	013	004		002																		101
170-179	003	016	033	021	005	002	002																			82
180-189	006	035	036	017	009	001		001																		105
190-199		017	030	018	005		001	001																		72
200-209	002	017	037	017	012		001	001																		87
210-219	001	021	032	016	010	004	003																			87
220-229	004	019	028	014	010	001																				76
230-239		021	020	014	005	002																				62
240-249	001	029	029	016	012	004																				91
250-259	001	024	027	026	010	002																				90
260-269	001	024	046	022	014	004	001																			112
270-279	003	013	053	030	019	008	003	002	001																	132
280-289		020	053	051	026	022	012	002	001	002																189
290-299	004	020	051	042	049	025	018	007	003	004																223
300-309	001	030	058	089	057	057	026	019	009	005	002	002														355
310-319	002	026	077	086	068	050	043	023	014	008	001	002														400
320-329	004	030	062	079	062	044	037	021	017	008	004	004														372
330-339		049	070	068	053	036	029	017	007	001	008	004														342
340-349	003	027	055	054	041	022	013	008	001	006	001	001														282
350-359	003	032	048	052	031	011	010	007	004	002																200
	73	827	1542	1256	848	499	267	142	66	37	17	15	0	0	0	0	0	0	0	0	0	0	0	0	0	5581

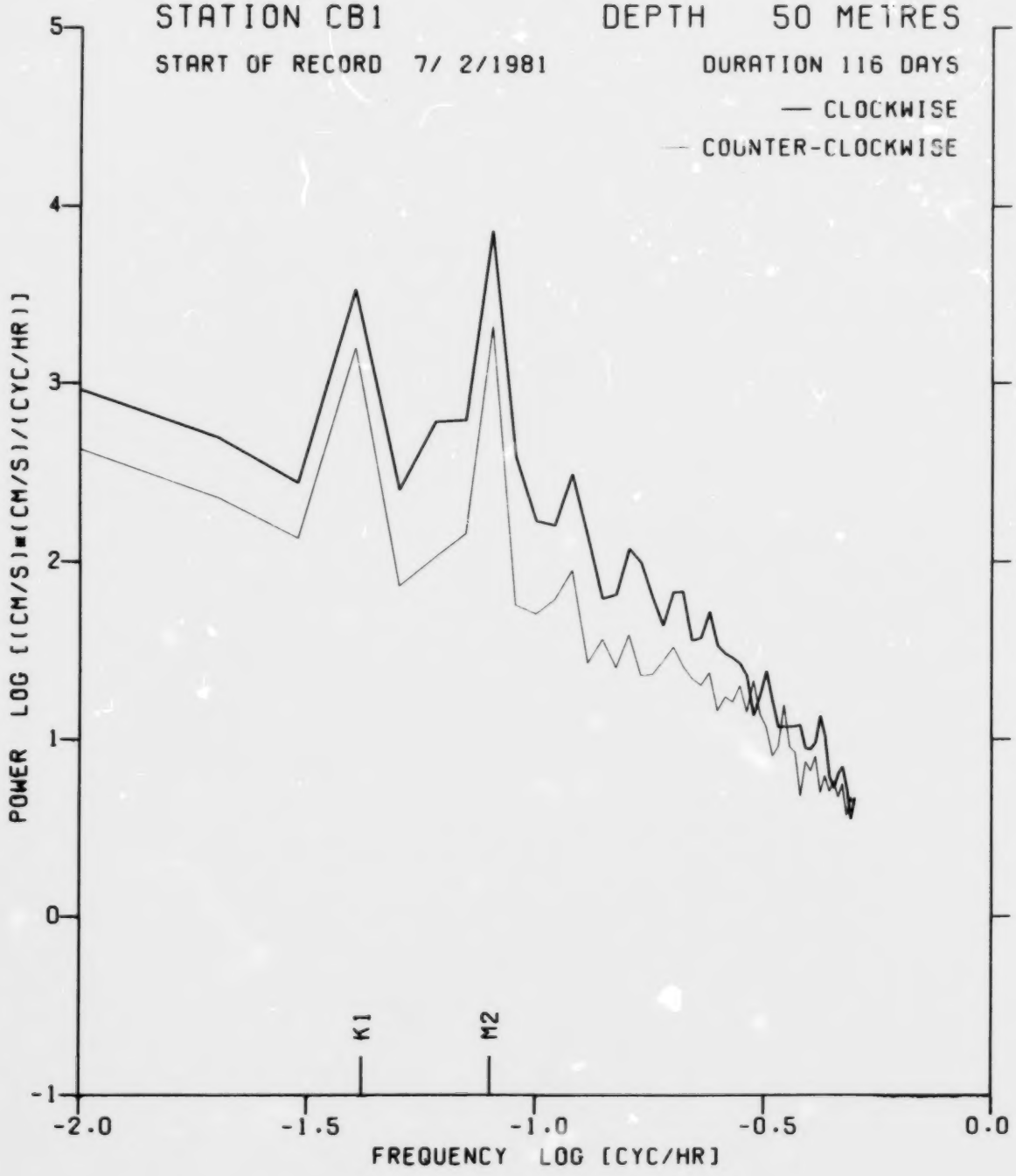
Number of zero rates: 0

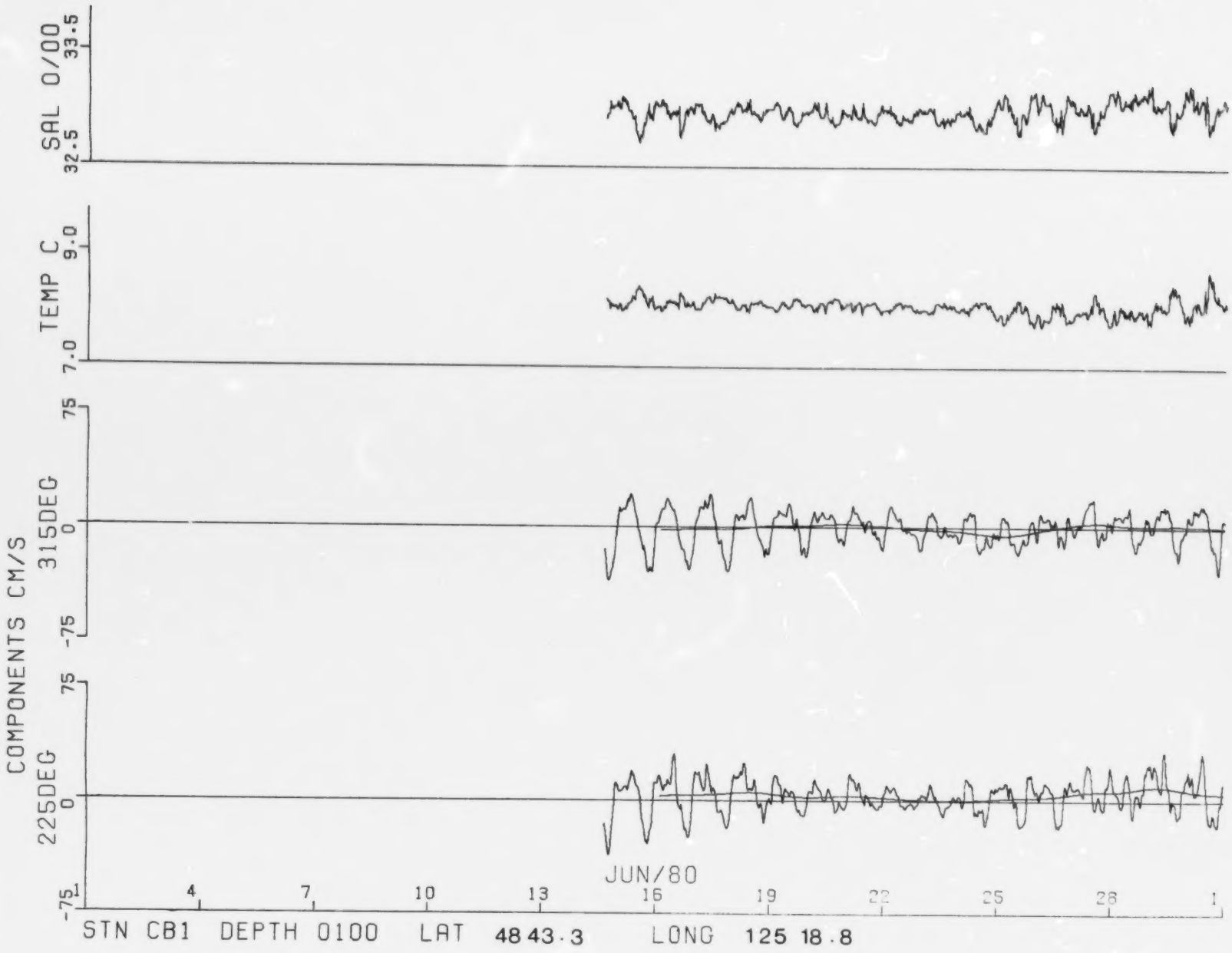
CAPE BEALE
PROGRESSIVE VECTOR DIAGRAM

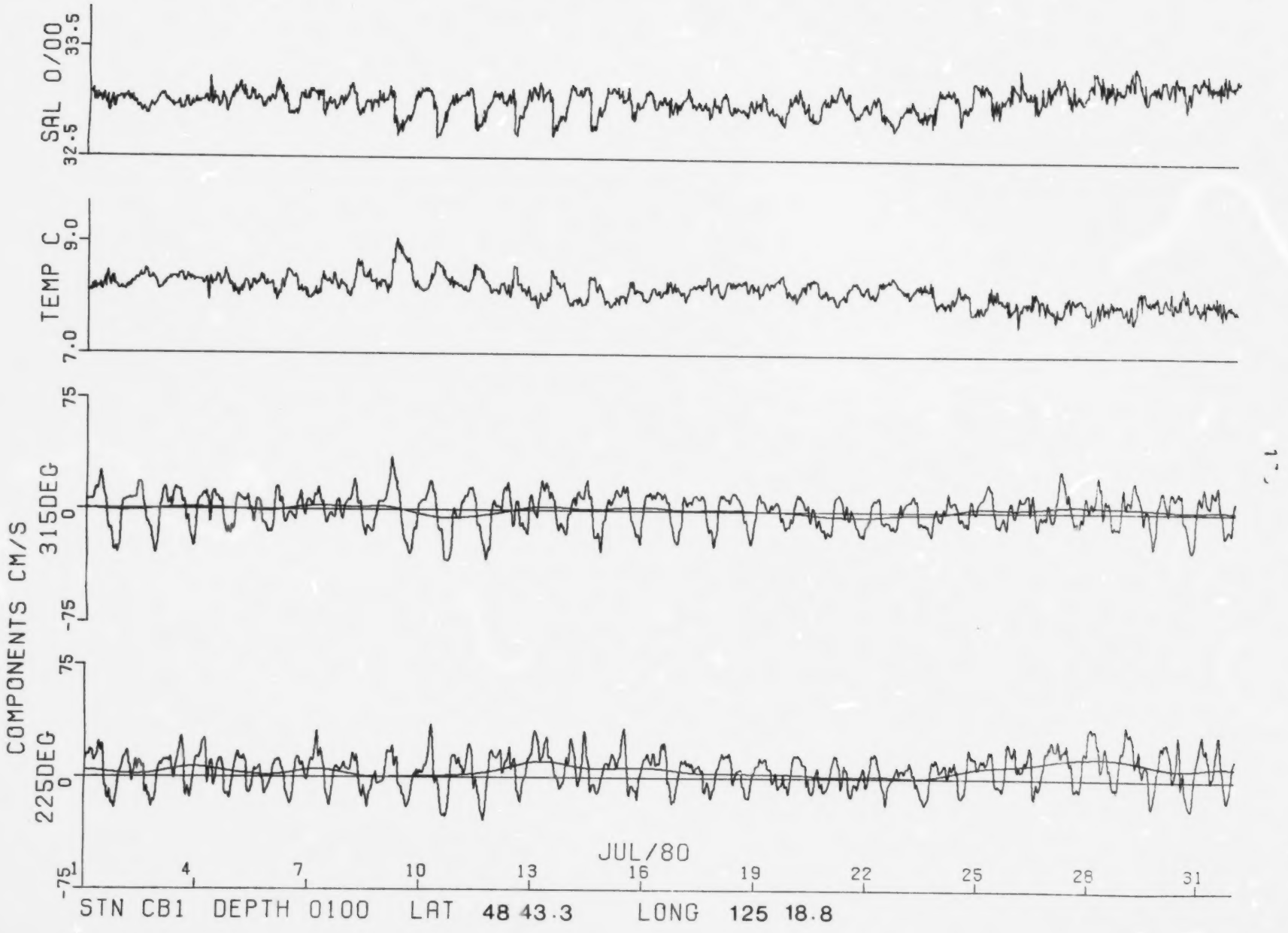
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
CB1	0050M	8500	38 /81	116

SCALE 100 KM


STATION CB1
DEPTH 50 METRES
START OF RECORD 7/ 2/1981
DURATION 116 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.5
32.5
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18.8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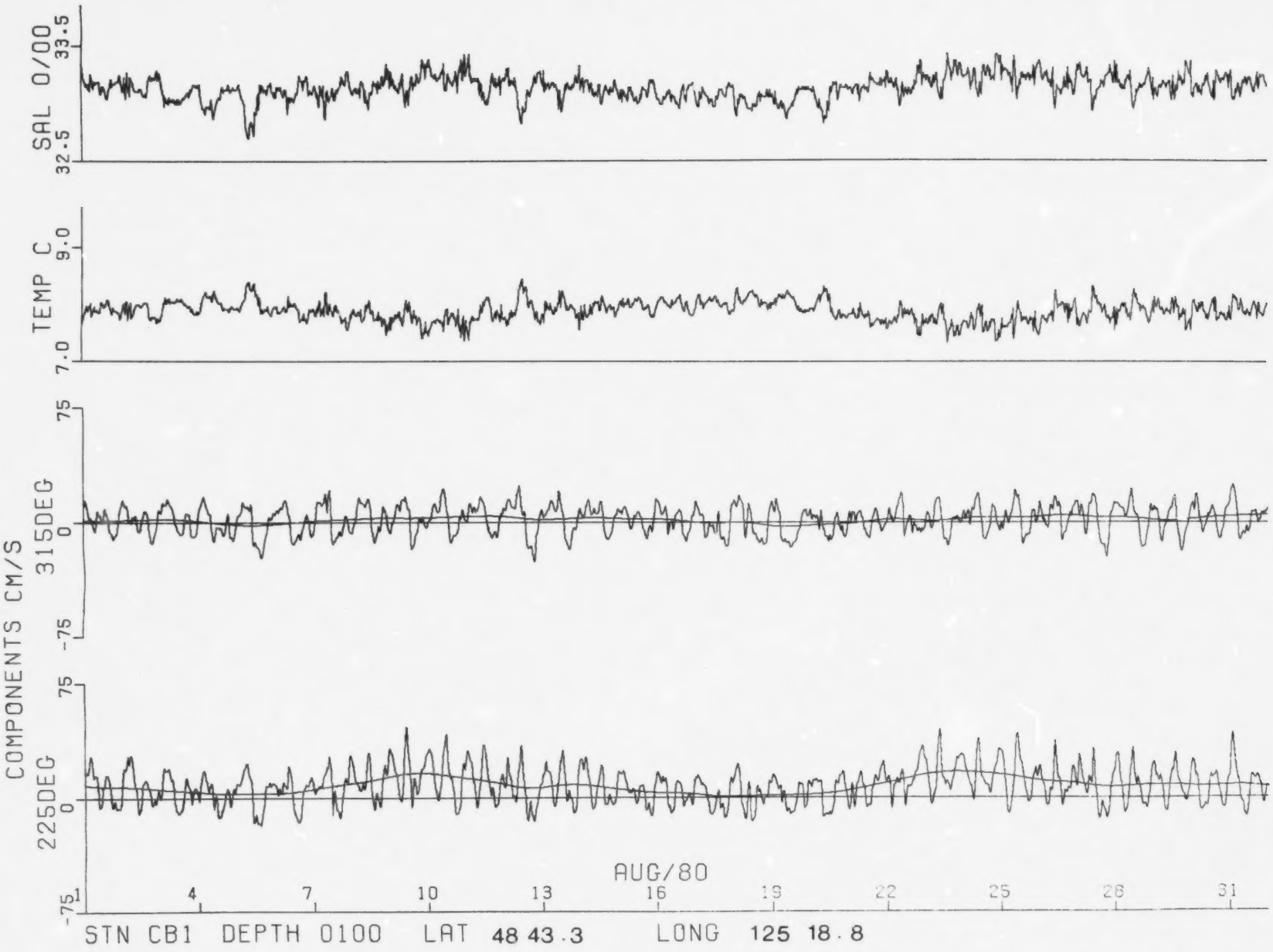
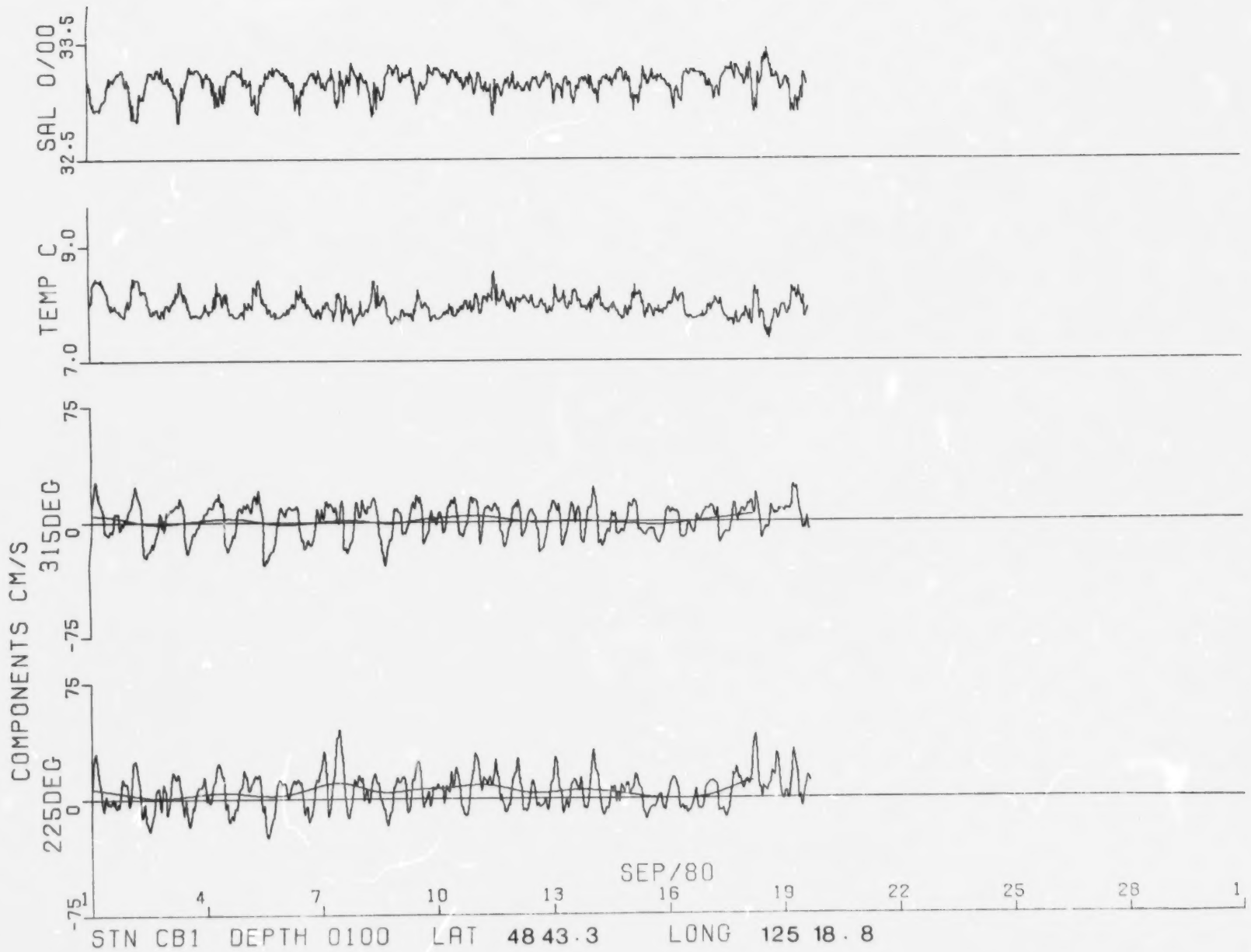
33.5
32.5
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18.8


SAL O/OO
33.5
32.5
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18.8


SAL 0/00
33.5
32.5
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
1
4
7
10
13
16
19
22
25
28
1
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18.8

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CB1 Depth 0100 CAPE BEALE 48 43.3 N 125 18.8 W Length of record .EQ. 97 Days
Start of record 0 mn 16 hr 14 dy 6 mo 80 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	004	017	001	002																						24
10- 19	003	012	002	001																						18
20- 29	003	018	005	001																						27
30- 39	003	016	002																							21
40- 49	006	019	010	001																						36
50- 59	001	019	018	007																						45
60- 69	004	024	025	010																						63
70- 79	008	030	023	023	002																					86
80- 89	002	047	044	032	013	001	001	001			001															142
90- 99	002	057	046	047	020	025	010	014	012	002																243
100-109	006	044	064	073	029	028	024	004																		272
110-119	003	052	068	043	017	007	002																			192
120-129	005	049	050	032	004	001																				141
130-139	002	029	042	016	001																					90
140-149	004	027	036	010																						77
150-159	002	033	030	007																						72
160-169	004	033	024	005																						66
170-179	003	040	027	005	002																					77
180-189	002	039	011	004	001																					57
190-199	002	036	024	004																						66
200-209	001	034	022	006	002																					65
210-219	002	032	030	014	016	011	015																			120
220-229	006	039	054	017	022	016	011	001	002																	168
230-239	002	052	063	047	027	027	014	005	001																	238
240-249	002	049	100	088	050	032	020	006	008	006																361
250-259	003	049	129	149	084	045	033	012	006	003																513
260-269	001	058	148	140	078	037	012	008	002																	484
270-279	002	065	098	092	030	022	007	002																		318
280-289	003	048	080	043	020	003	003	003																		203
290-299	005	036	039	024	005																					109
300-309	003	038	020	001																						62
310-319	002	042	013	001																						58
320-329	005	035	008	001																						49
330-339	003	025	007	002																						37
340-349	004	016	006																							26
350-359		024	006	001																						31
	1283		949		255		56		11		0		0		0		0		0		0		0		0	4657
	113	1375		423		160		31		1		0		0		0		0		0		0		0		

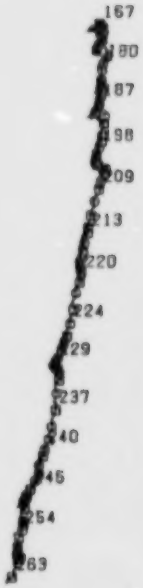
Number of zero rates: 0

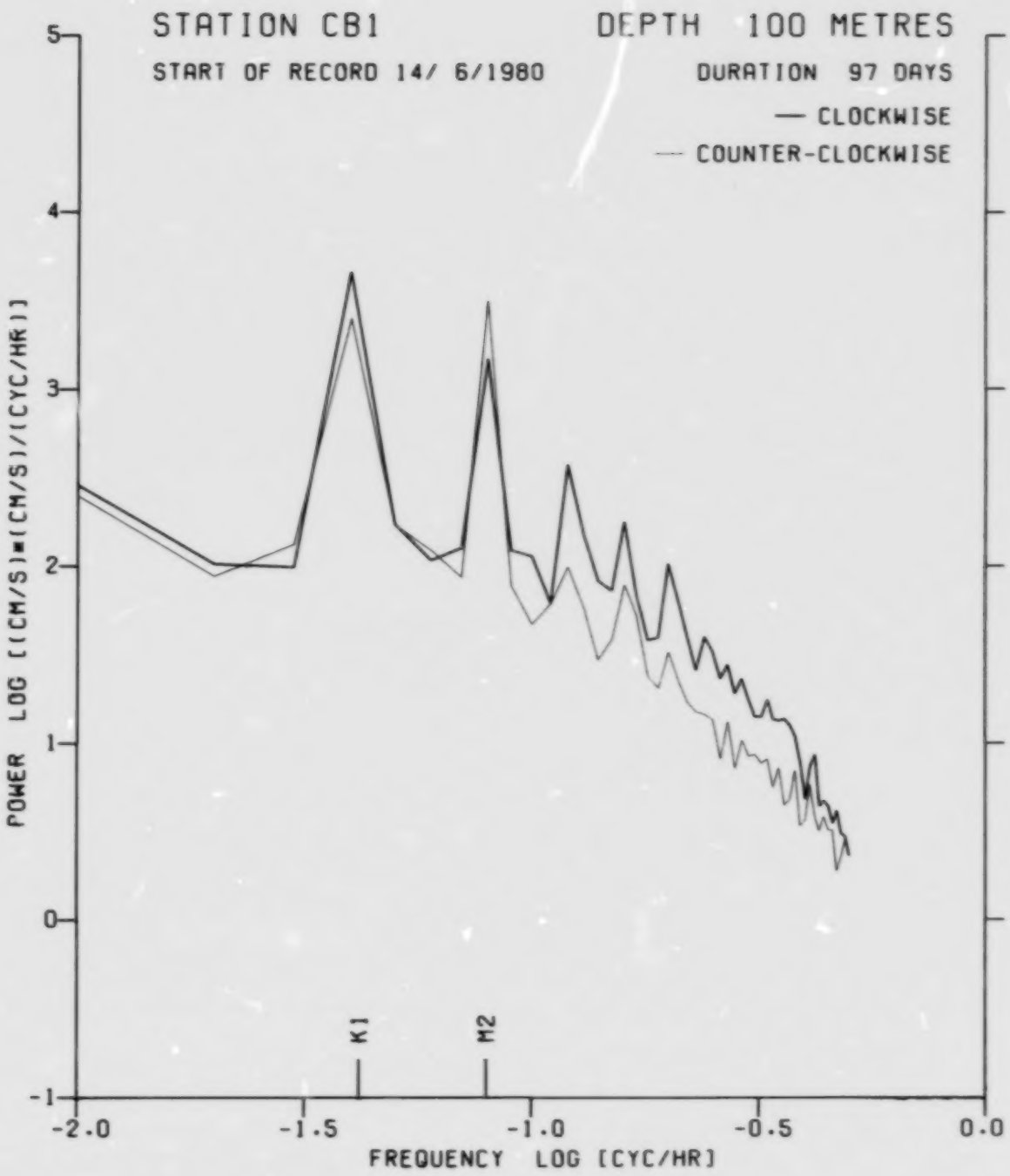
CAPE BEALE
PROGRESSIVE VECTOR DIAGRAM

⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
CB1	0100M	8500	166/80	97

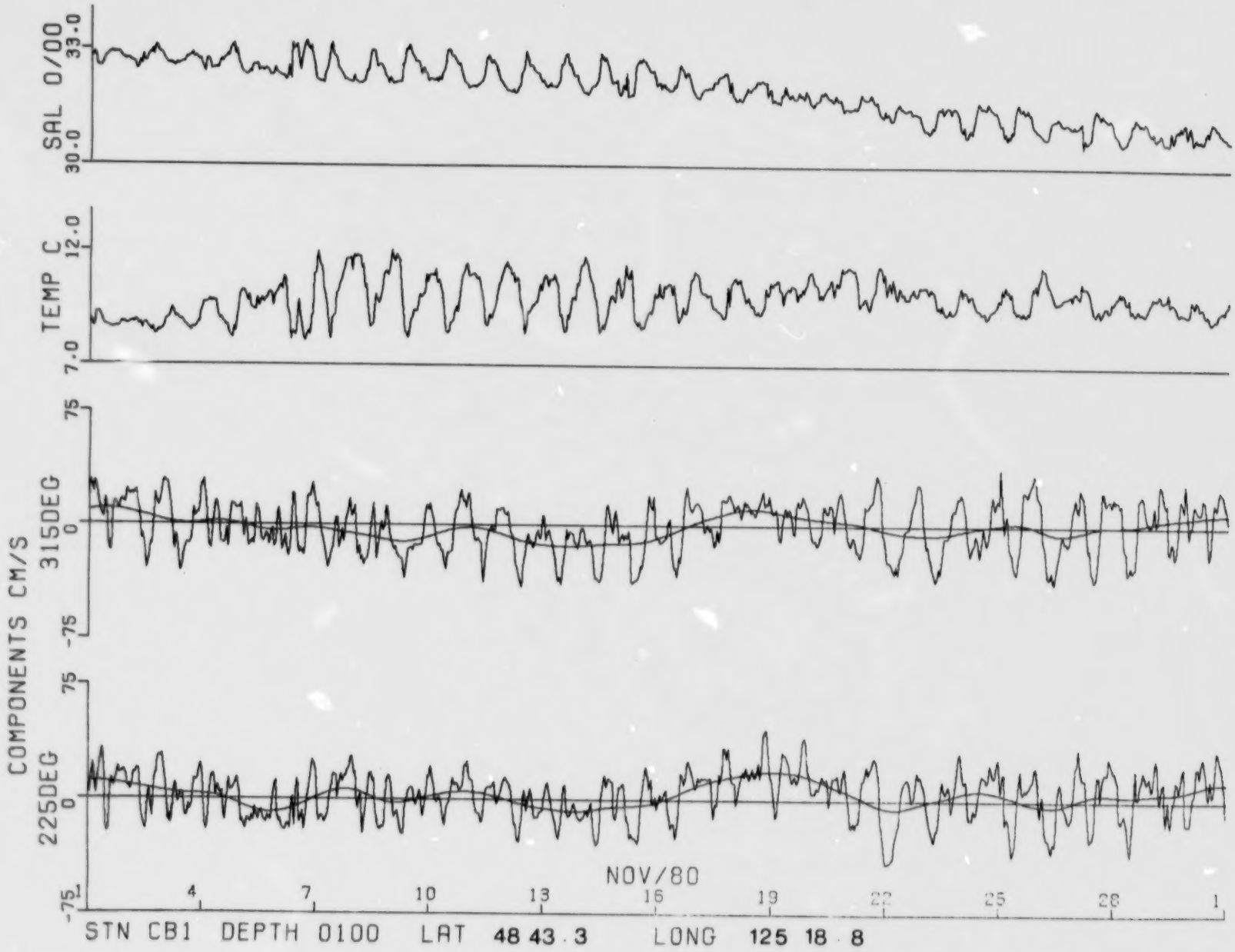
SCALE 100 KM

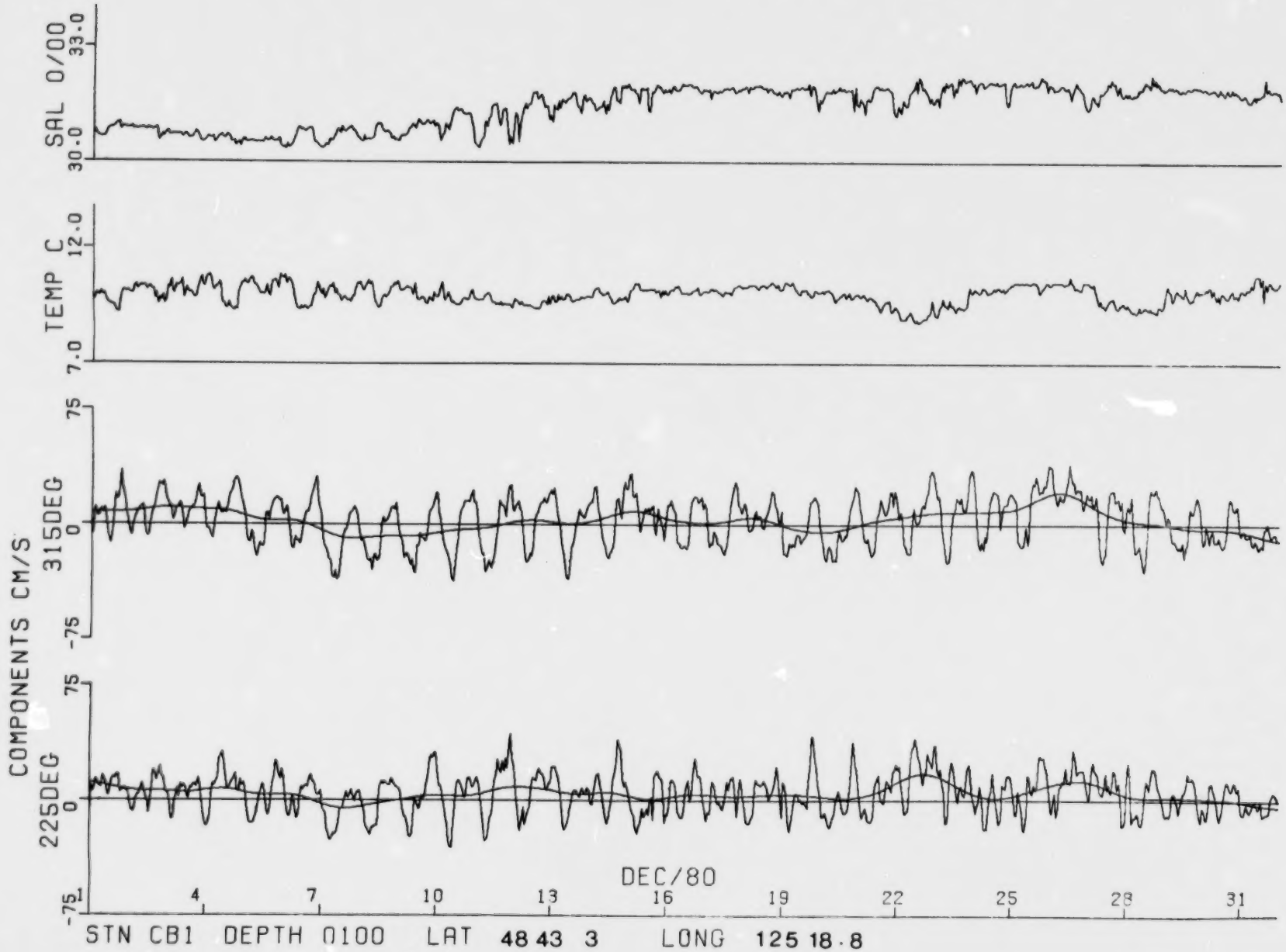


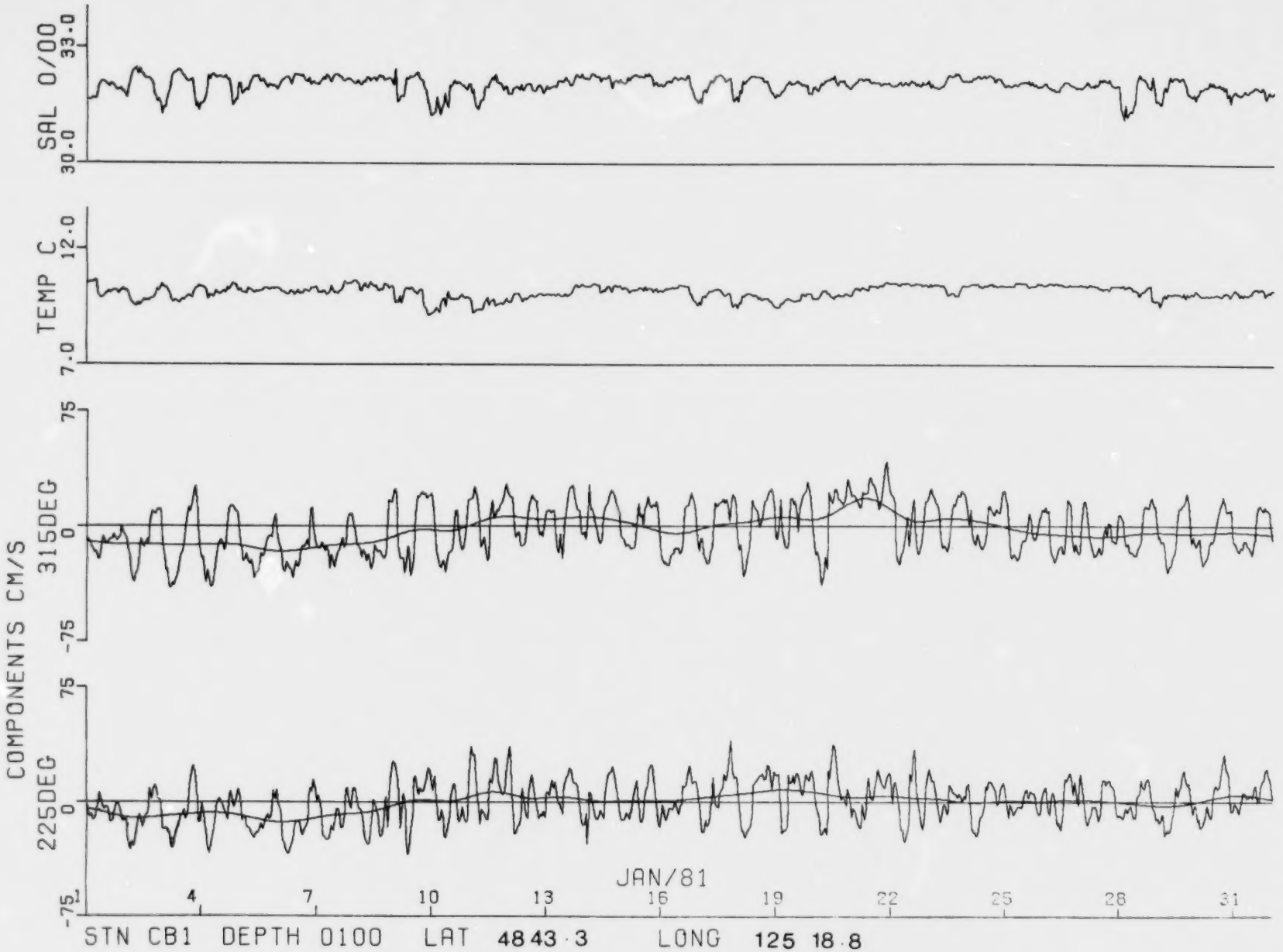

STATION CB1
DEPTH 100 METRES
START OF RECORD 14/ 6/1980
DURATION 97 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

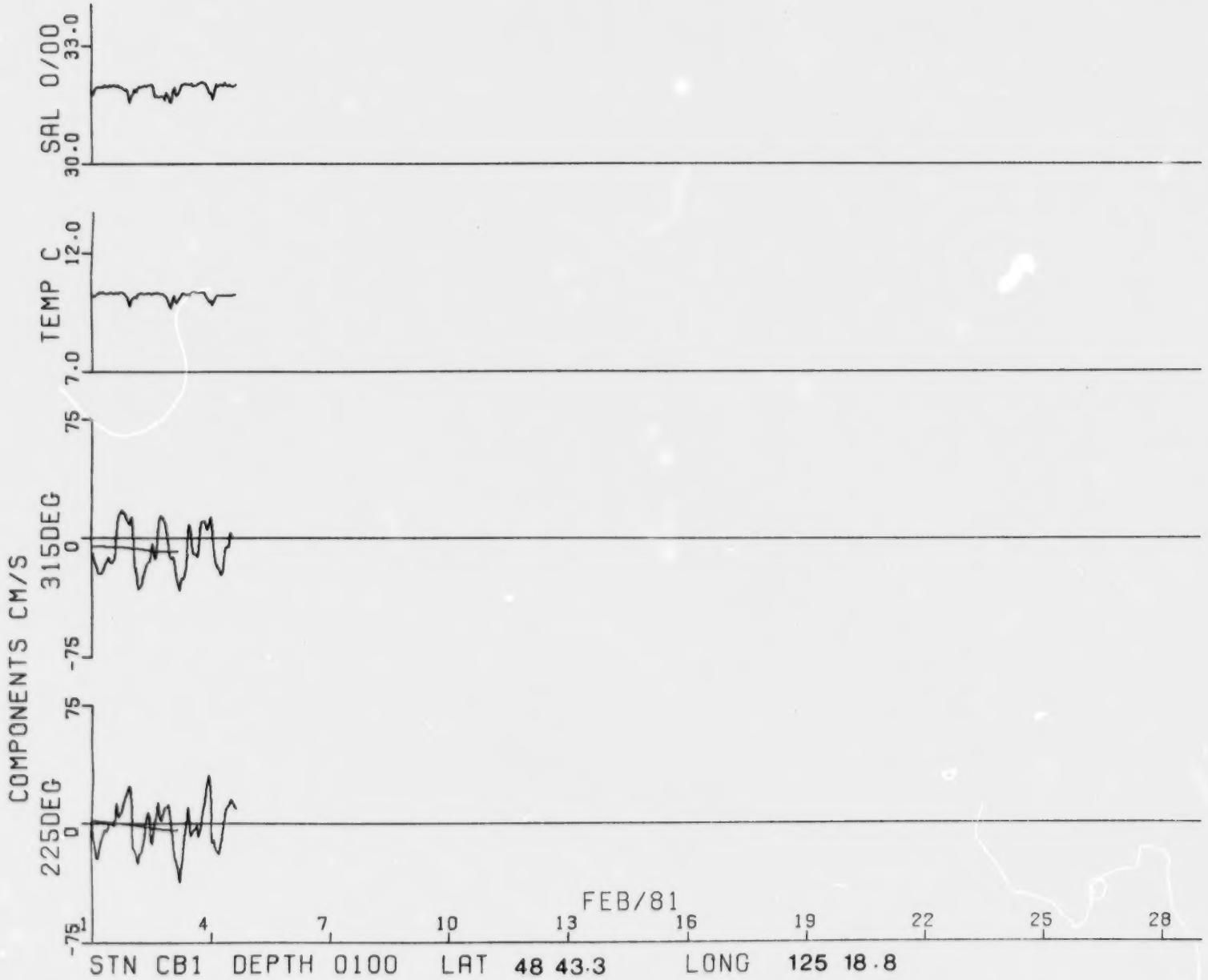
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18.8
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
7.0
12.0
30.0
33.0

STN CB1 DEPTH 0100 LAT LONG
OCT/80
1 4 7 10 13 16 19 22 25 28 31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75 0 -75
7.0 12.0
30.0 33.0


SAL O/OO
33.0
30.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/80
4
7
10
13
16
19
22
25
28
1
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18.8


SAL 0/00
33.0
30.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/80
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0100 LAT 48 43 3 LONG 125 18.8


SAL O/OO
33.0
30.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JAN/81
1
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0100 LAT 4843.3 LONG 125 18.8


SAL 0/00
33.0
30.0
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
FEB/81
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18.8

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CB1 Depth 0100 CAPE BEALE 48 43 3 N 125 18 8 W Length of record .EQ. 135 Days
Start of record 0 mn 10 hr 22 dy 9 mo 80 yr PST Rate of obser. = 1 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		005	012	006	004																					27
10- 19		009	013	003	001																					26
20- 29		004	009	004	002																					19
30- 39		004	010	007	001	001																				23
40- 49		002	015	006	004	001																				28
50- 59		005	016	011	004	001																				37
60- 69		003	019	025	003	001	002	001																		54
70- 79		006	021	016	013	005	002	001		004																68
80- 89		009	036	032	038	014	008	005	009	006																157
90- 99	001	011	036	054	027	035	023	019	019	011																236
100-109		014	037	039	033	036	020	019	016	002																216
110-119		008	039	041	026	013	008	003	002																	140
120-129		013	044	041	019	008	001																			126
130-139		013	049	027	013	001	002																			105
140-149	001	014	034	018	007	003																				77
150-159		012	035	018	008																					73
160-169		009	023	014	003																					49
170-179		010	019	012	002																					43
180-189		007	018	008	002																					35
190-199		008	026	011	002																					47
200-209		008	026	014	002	001																				51
210-219		008	030	018	004																					60
220-229		007	026	014	004	002	002		001																	56
230-239		006	028	017	008	006	006	001	001																	73
240-249		006	032	027	021	025	008	006	006	004																135
250-259		006	038	055	044	025	019	017	007	001																212
260-269		007	038	072	049	034	024	013	006																	243
270-279		004	038	070	056	037	020	007	006																	238
280-289		006	038	057	036	016	015	005	002																	175
290-299		006	041	030	031	012	008	003	003																	136
300-309		013	031	026	011	010	004	001	001																	97
310-319		007	019	019	006	004	001	001																		57
320-329		010	020	008	004																					42
330-339		007	006	010	003	001																				27
340-349		003	011	006	003																					23
350-359		008	017	008	001																					34
	280		844		292		102		28		0		0		0		0		0		0		0		0	3246
Z		951		495		173		79		0		0		0		0		0		0		0		0		

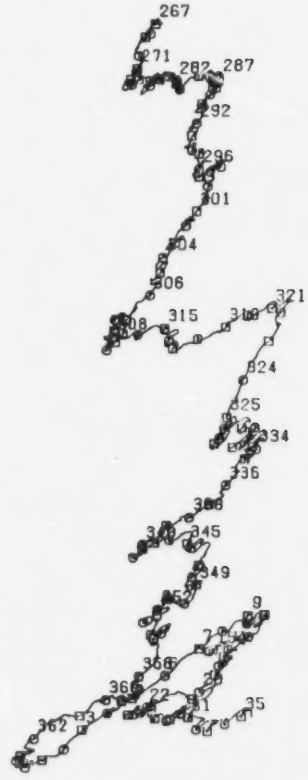
Number of zero rates: 0

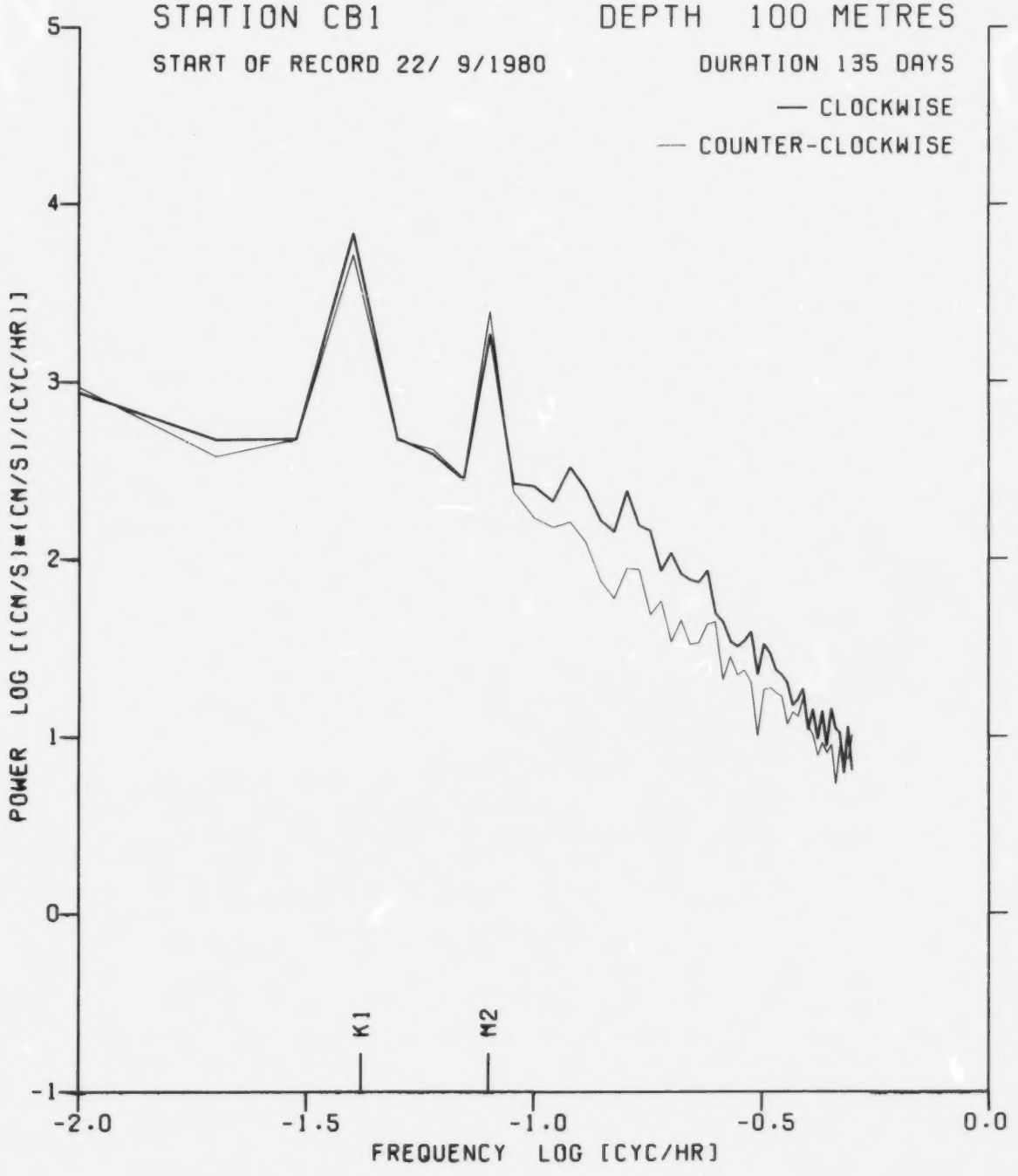
CAPE BEALE
PROGRESSIVE VECTOR DIAGRAM

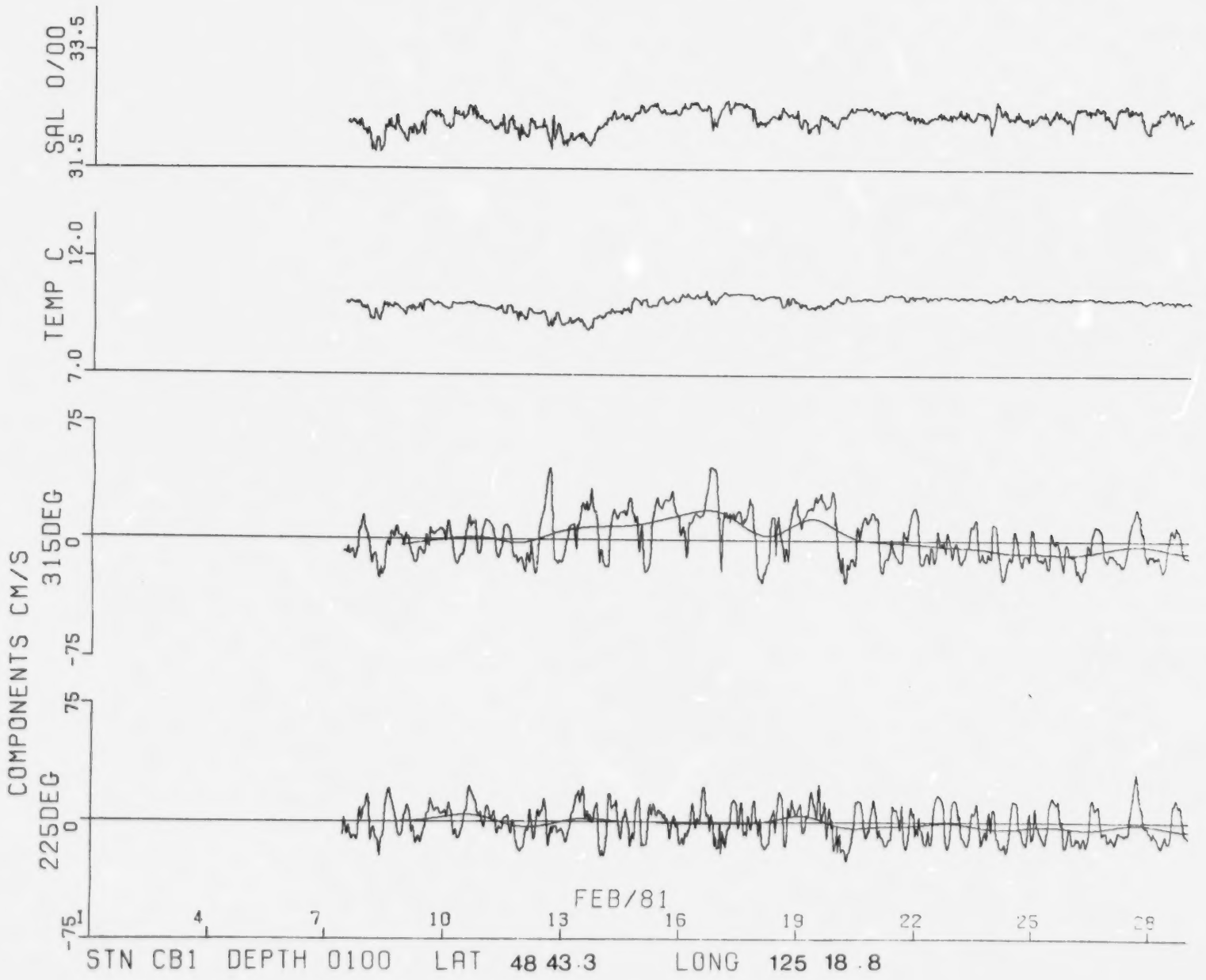
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

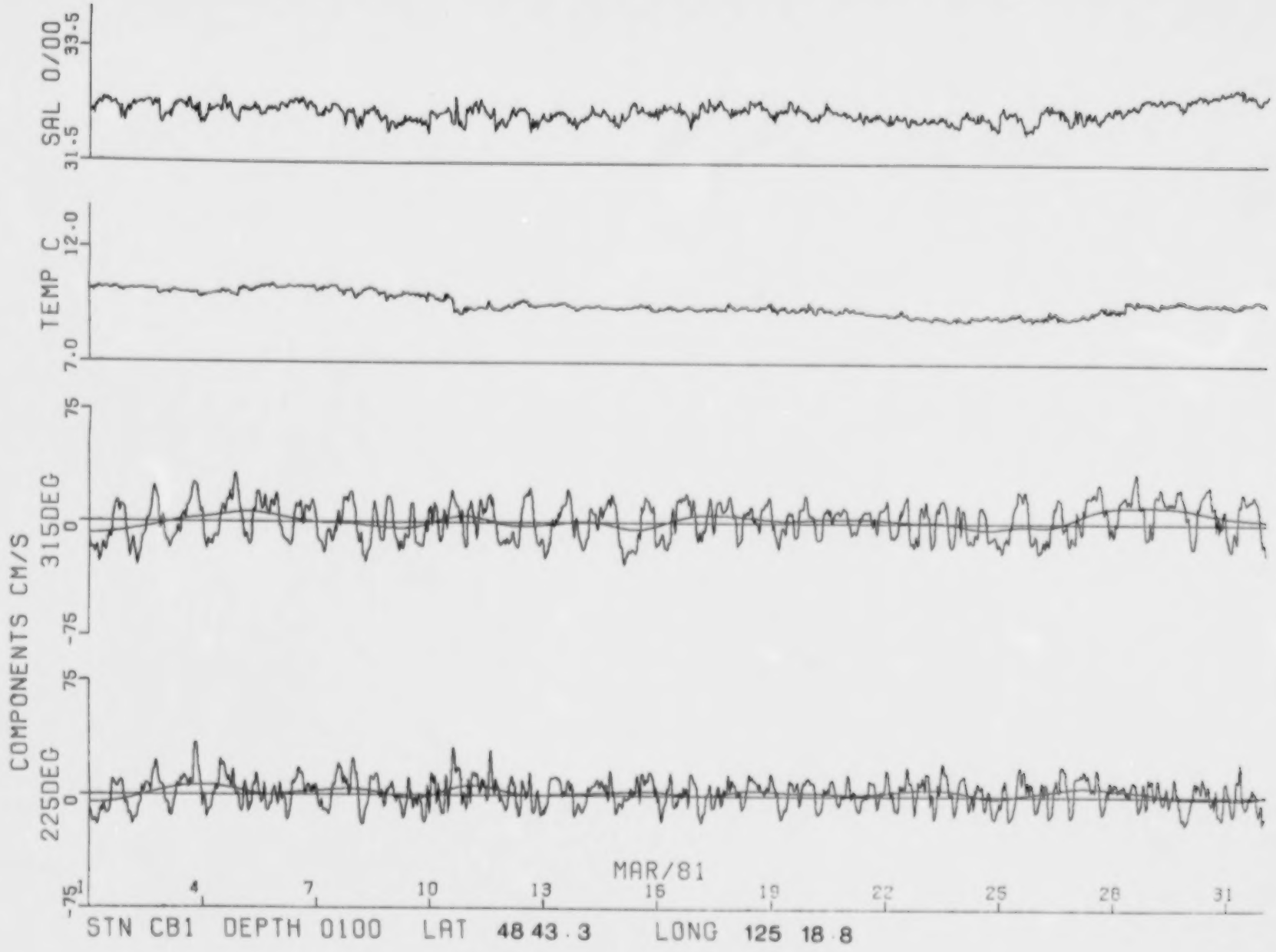
STN	DEPTH	AREA	DAY/YR	NO DAYS
CBI	0100M	8500	266/80	135

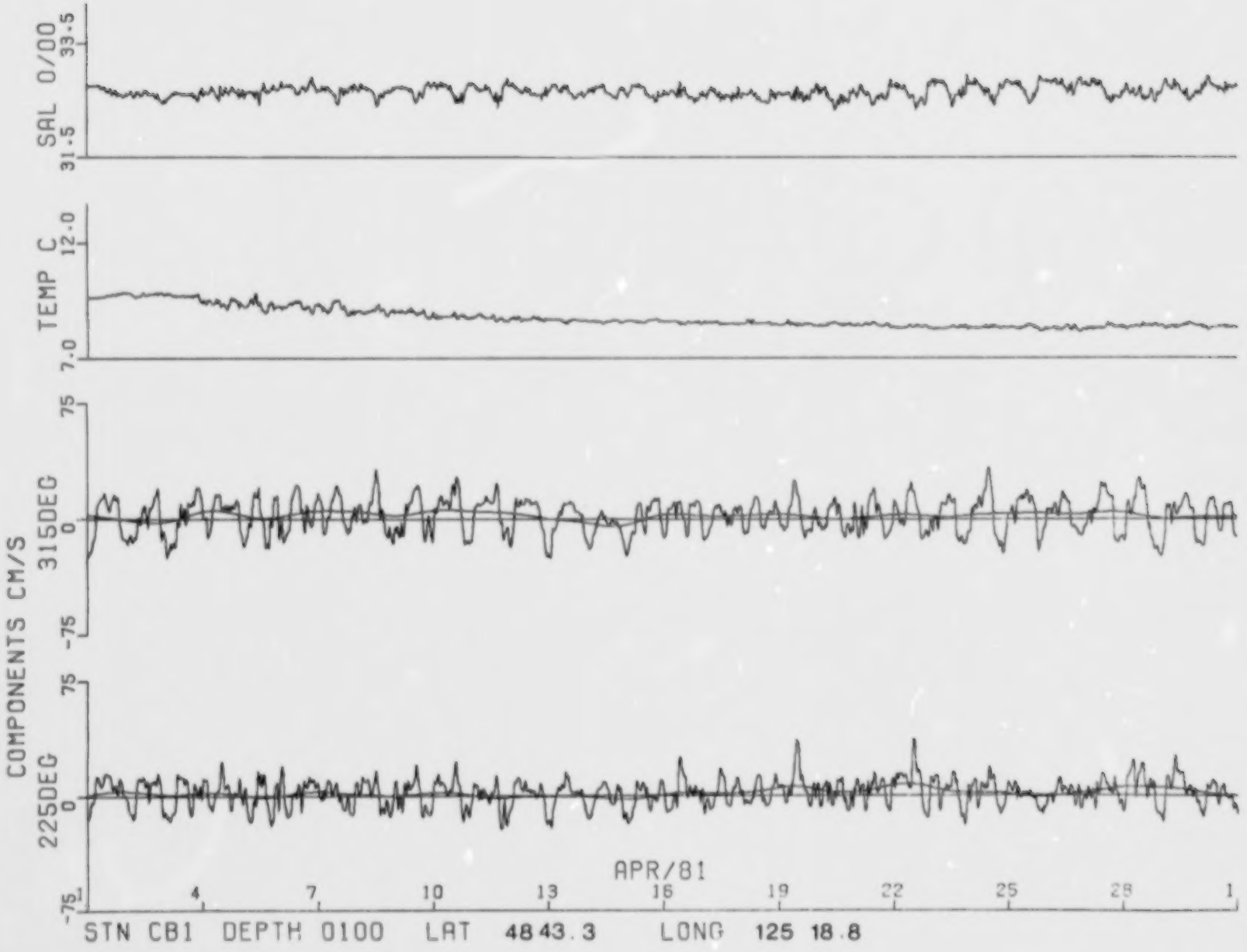
SCALE 100 KM

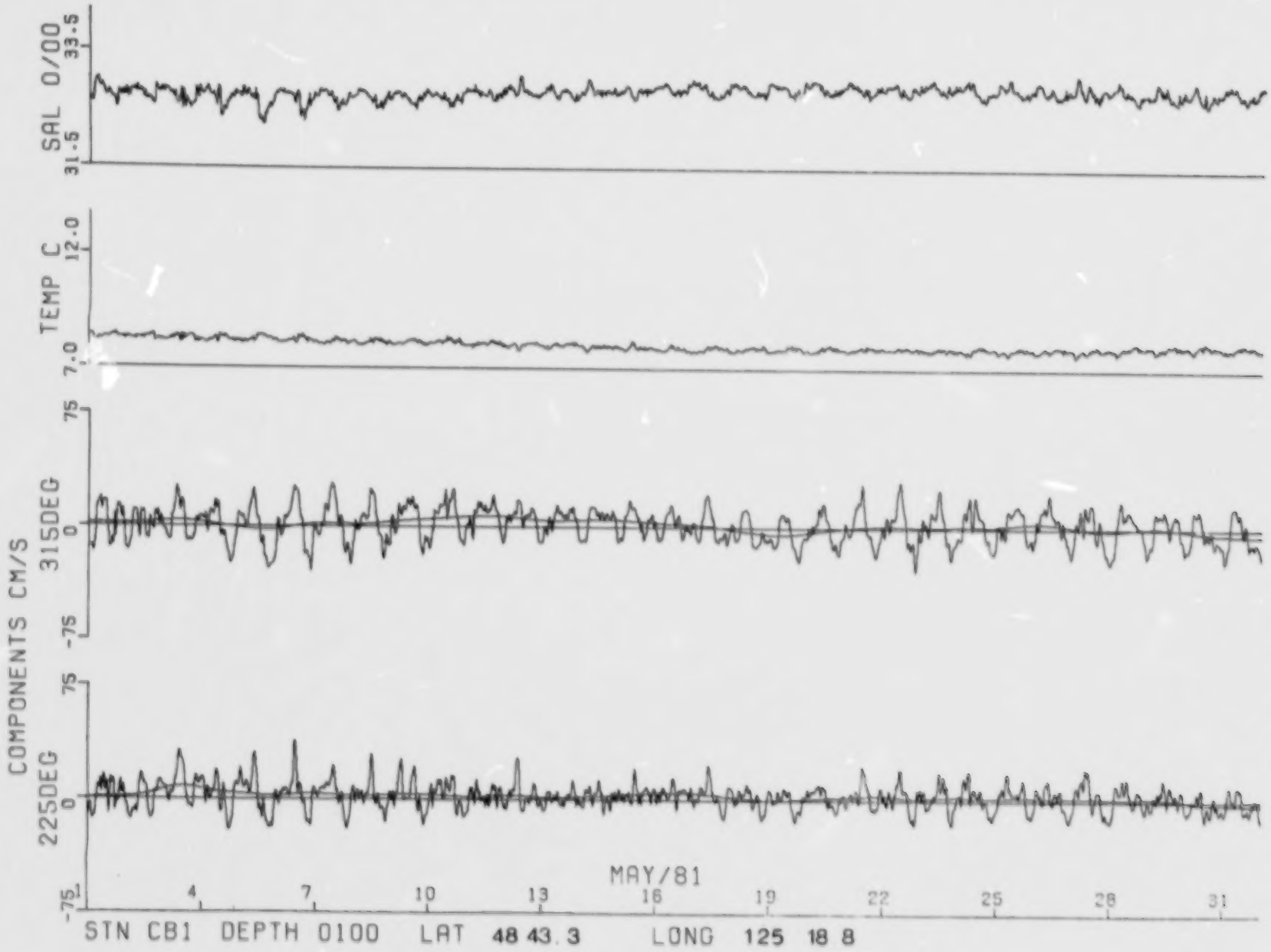



STATION CB1
DEPTH 100 METRES
START OF RECORD 22/ 9/1980
DURATION 135 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
4
7
10
13
16
19
22
25
28
FEB/81
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18.8


SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAR/81
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18.8


SAL O/OO
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
APR/81
1
4
7
10
13
16
19
22
25
28
1
STN CB1 DEPTH 0100 LAT 4843.3 LONG 125 18.8


SAL 0/00
33.5
31.5
TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/81
4
7
10
13
16
19
22
25
28
31
STN CB1 DEPTH 0100 LAT 48 43.3 LONG 125 18 8

STN CB1 DEPTH 0100 LAT 4843.3 LONG 125 18.8
JUN/81
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
7.0
12.0
31.5
33.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn CB1 Depth 0100 CAPE BEALE 48 43.3 N 125 18.8 W Length of record .EQ. 116 Days
Start of record 30 mn 10 hr 7 dy 2 mo 81 yr PST Rate of obser. = 2 per Hour

cm/s

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	003	017	021	004	004																					
10- 19	002	013	026	006	002																					49
20- 29	002	013	020	007																						49
30- 39	003	020	015	004																						42
40- 49	003	019	027	007	001																					42
50- 59	004	019	031	010	002																					57
60- 69	004	026	028	019	003																					66
70- 79	004	025	042	025	011	002																				80
80- 89	001	020	058	002	030	009																				109
90- 99	002	023	001	009	054	026	006																			200
100-109	004	036	098	006	072	043	012																			281
110-119	001	028	097	003	036	007																				351
120-129	004	051	085	047	005	003																				252
130-139	007	045	055	030	003	002																				195
140-149	002	047	054	016	001	001																				142
150-159	002	044	047	007																						121
160-169	002	051	041	005																						100
170-179	003	042	030	007																						99
180-189	003	042	027	003																						82
190-199	003	036	034	004																						75
200-209	002	044	034	005																						77
210-219	002	036	057	013	003																					85
220-229	007	049	053	013	001																					111
230-239	002	051	050	009	004																					123
240-249	001	058	061	032	014	005	003																			116
250-259	005	050	073	051	026	014	012	006	004																	174
260-269	003	051	070	058	021	016	008	004	004																	241
270-279	004	057	100	065	034	021	010	004																		235
280-289	001	064	098	088	047	026	015	007																		295
290-299	003	079	143	100	047	027	008		001																	346
300-309	004	073	118	096	046	016	003		002	003																408
310-319	003	056	086	041	014	009	003	001	001	005																361
320-329	002	041	058	041	006	002				001																219
330-339	002	041	035	022	006	003	003		001																	151
340-349	005	025	022	011	006	001	001	001																		117
350-359	004	020	023	005	004	001																				73
																										57
	1412		1191		234		23		9		0		0		0		0		0		0		0		0	
	189	2003		503		84		13		0		0		0		0		0		0		0		0		5581

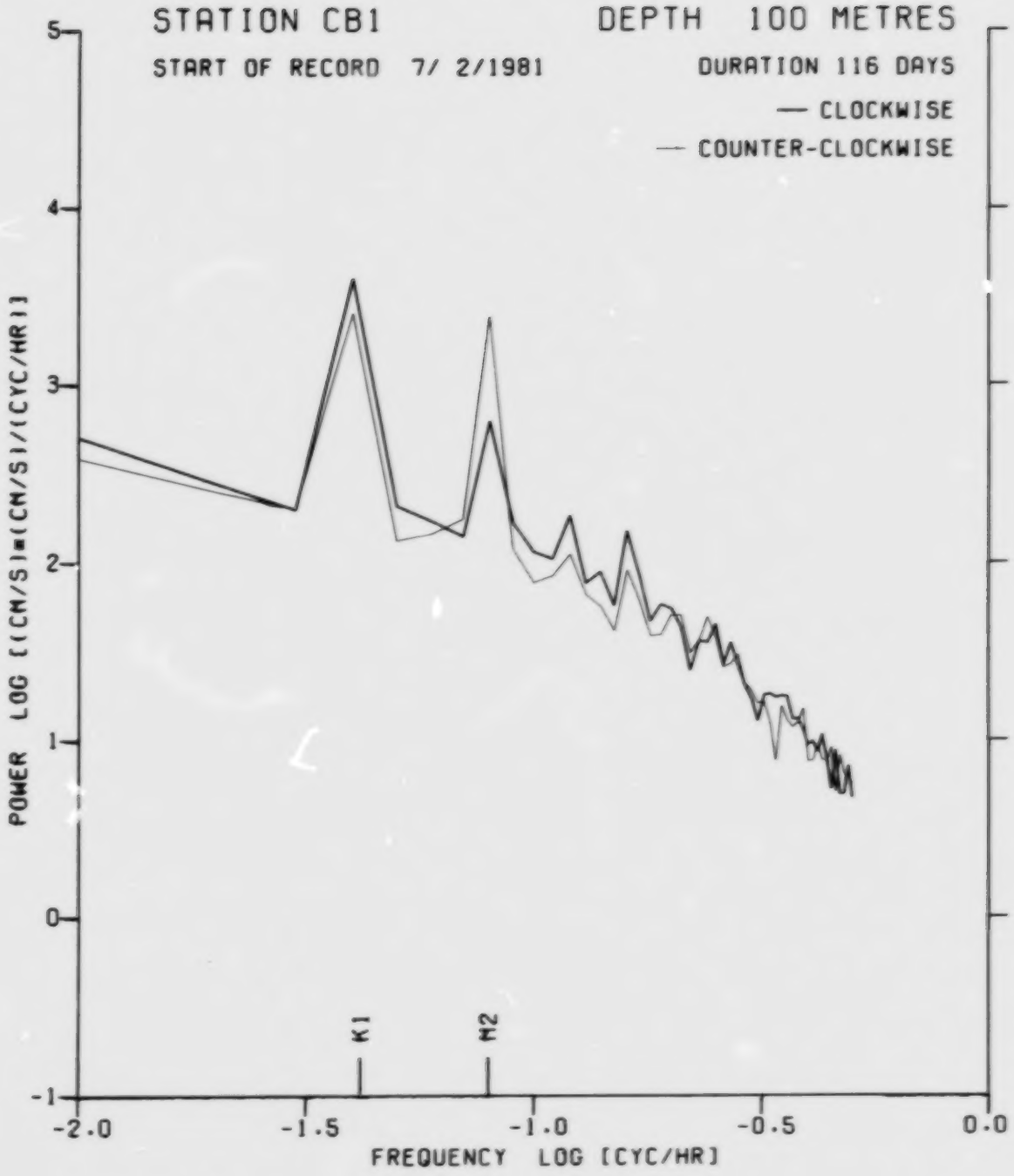
Number of zero rates: 0

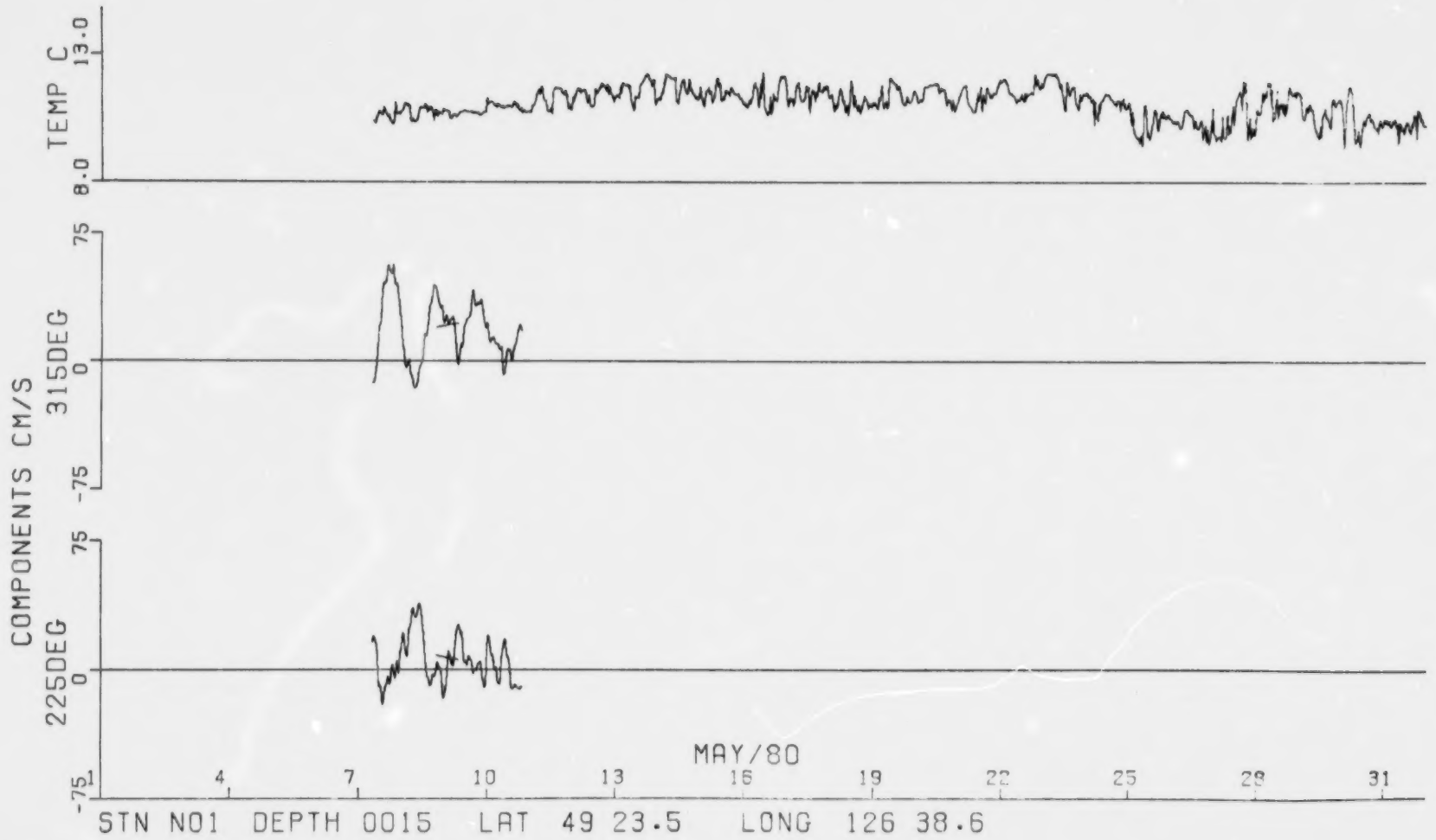
CAPE BEALE
PROGRESSIVE VECTOR DIAGRAM

ODD NUMBERED DAYS
EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
CB1	0100M	8500	38 /81	116

SCALE 100 KM


STATION CB1
DEPTH 100 METRES
START OF RECORD 7/ 2/1981
DURATION 116 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]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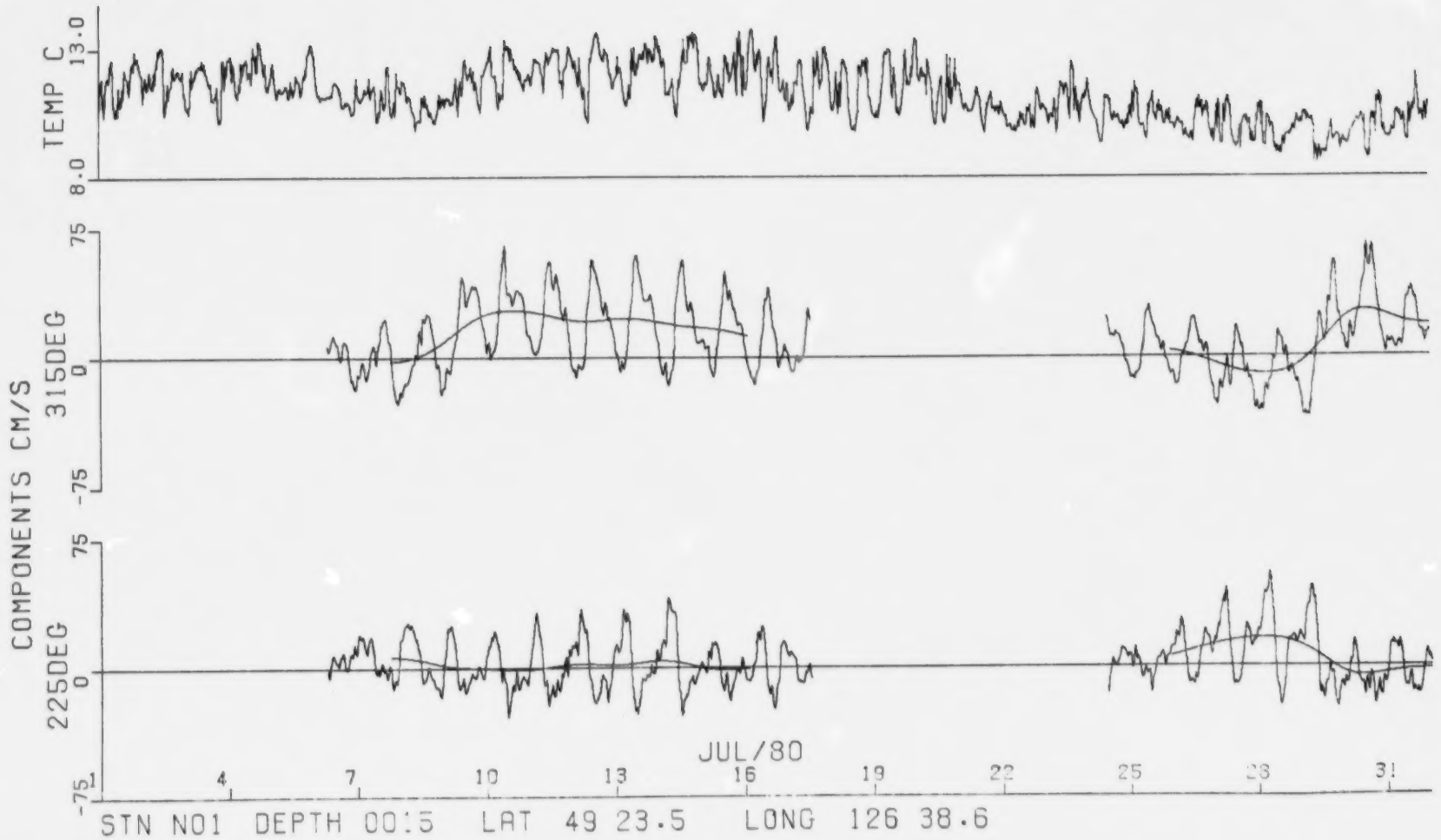
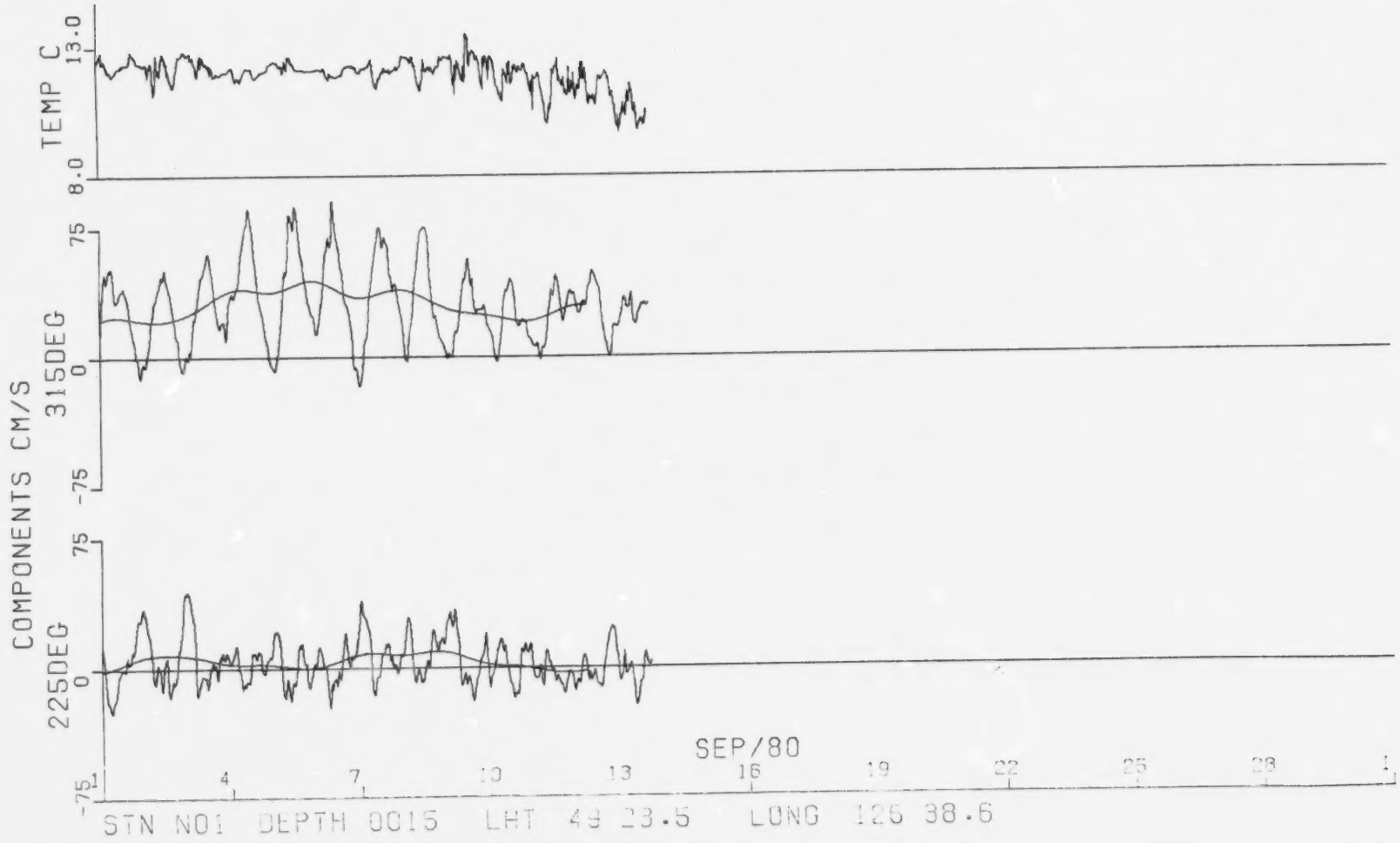
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN NO1 DEPTH 0015 LAT 49 23.5 LONG 126 38.6

STN NO1 DEPTH 0015 LAT 49 23.5 LONG 126 38.6
JUN/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
0
75
-75
0
75
8.0
13.0


TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN NO1 DEPTH 00:5 LAT 49 23.5 LONG 126 38.6

STN NO1 DEPTH 0015 LAT 49 23.5 LONG 126 38.6
AUG/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
.75
0
-.75
8.0
13.0


TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
1
4
7
10
13
16
19
22
25
28
1
STN NO1 DEPTH 0015 LAT 49 23.5 LONG 126 38.6

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn NØ1 Depth ØØ15 ESTEVAN POINT NEAR SHORE 49 23.5 N 126 38.6 W Length of record .EQ. 65 Days
Start of record Ø mn 8 hr 7 dy 5 mo 8Ø yr PST Rate of obser. = 2 per Hour

cm/s

DIR	ØØ1 to ØØ4	Ø5 to Ø9	1Ø to 14	15 to 19	2Ø to 24	25 to 29	3Ø to 34	35 to 39	4Ø to 44	45 to 49	5Ø to 54	55 to 59	6Ø to 64	65 to 69	7Ø to 74	75 to 79	8Ø to 84	85 to 89	9Ø to 94	95 to 99	1ØØ to 1Ø4	1Ø5 to 1Ø9	11Ø to 114	115 to 119	12Ø to 124	
Ø- 9	ØØ2	Ø11	Ø16	ØØ9	ØØ2	ØØ5	ØØ2																			47
1Ø- 19	ØØ2	ØØ4	Ø13	ØØ5	ØØ2	ØØ1																				27
2Ø- 29	ØØ1	ØØ4	ØØ3																							8
3Ø- 39	ØØ1	ØØ3	ØØ6																							1Ø
4Ø- 49	ØØ2	ØØ3	ØØ2																							7
5Ø- 59	ØØ1	ØØ5	ØØ2																							8
6Ø- 69		ØØ6	ØØ4																							1Ø
7Ø- 79	ØØ1	ØØ2	ØØ1	ØØ1																						5
8Ø- 89																										Ø
9Ø- 99		ØØ6	ØØ1		ØØ1																					8
1ØØ-1Ø9	ØØ2	ØØ2	ØØ1	ØØ1																						6
11Ø-119				ØØ1	ØØ3																					4
12Ø-129	ØØ2	ØØ3			ØØ1																					6
13Ø-139		ØØ3	ØØ3	ØØ1	ØØ2																					9
14Ø-149		ØØ3	ØØ2			ØØ1																				6
15Ø-159	ØØ1	ØØ5	ØØ4	ØØ3	ØØ1																					14
16Ø-169	ØØ1	ØØ5	ØØ6	ØØ5	ØØ1	ØØ3	ØØ4	ØØ3																		28
17Ø-179	ØØ1	ØØ9	ØØ5	ØØ7	ØØ6	ØØ6	ØØ3	ØØ3	ØØ2																	42
18Ø-189	ØØ1	ØØ6	Ø12	ØØ8	Ø13	ØØ6	ØØ5	Ø1Ø		ØØ5	ØØ3	ØØ1														7Ø
19Ø-199		ØØ8	Ø17	Ø21	Ø15	Ø1Ø	ØØ8	ØØ6	ØØ2		ØØ2															89
2ØØ-2Ø9		Ø11	Ø16	Ø24	Ø29	Ø12	ØØ8	Ø17	ØØ8	ØØ4	ØØ2	ØØ2														133
21Ø-219		Ø15	Ø19	Ø21	Ø21	Ø15	Ø19	ØØ5	ØØ5	ØØ3																123
22Ø-229		ØØ7	Ø21	Ø13	Ø13	Ø16	Ø11	ØØ3	ØØ3																	87
23Ø-239	ØØ2	ØØ9	Ø16	Ø12	Ø16	ØØ8	ØØ4																			67
24Ø-249	ØØ1	Ø13	Ø2Ø	Ø11	Ø1Ø	ØØ8	ØØ1																			64
25Ø-259	ØØ2	ØØ7	Ø25	Ø18	ØØ9	ØØ1																				62
26Ø-269	ØØ1	Ø17	Ø31	Ø25	Ø11	ØØ1																				86
27Ø-279		Ø13	Ø31	Ø26	Ø14	ØØ2	ØØ1																			87
28Ø-289	ØØ1	Ø17	Ø4Ø	Ø24	Ø16	ØØ6	ØØ3		ØØ1																	1Ø8
29Ø-299	ØØ1	Ø17	Ø44	Ø28	Ø24	Ø1Ø	ØØ3	ØØ4	ØØ1		ØØ3	ØØ1														136
3ØØ-3Ø9	ØØ2	Ø16	Ø39	Ø35	Ø31	Ø35	Ø21	ØØ9	ØØ2	ØØ2	ØØ5	ØØ1	ØØ2	ØØ9	ØØ3	ØØ4	ØØ1	ØØ2								219
31Ø-319	ØØ3	Ø15	Ø28	Ø41	Ø45	Ø45	Ø64	Ø38	Ø25	Ø15	Ø1Ø	ØØ7	ØØ4	ØØ3	ØØ8	ØØ3	ØØ2	ØØ2	ØØ1							359
32Ø-329	ØØ1	Ø16	Ø28	Ø53	Ø59	Ø62	Ø83	Ø69	Ø51	Ø42	Ø2Ø	Ø15	Ø1Ø	ØØ9	ØØ6	ØØ4										534
33Ø-339	ØØ3	Ø17	Ø25	Ø37	Ø53	Ø57	Ø59	Ø67	Ø49	Ø26	Ø22	Ø19	ØØ8	ØØ7	ØØ1											45Ø
34Ø-349	ØØ2	Ø17	Ø28	Ø28	Ø27	Ø2Ø	Ø18	Ø12	ØØ5	ØØ7	ØØ3	ØØ6	ØØ1													174
35Ø-359		ØØ9	Ø23	Ø11	ØØ5	ØØ9	ØØ5	ØØ2		ØØ1																65
	304		469		339		248		105		52		28		13		4		Ø		Ø		Ø			3158
	37		532		43Ø		322		154		7Ø		25		18		7		1		Ø		Ø		Ø	

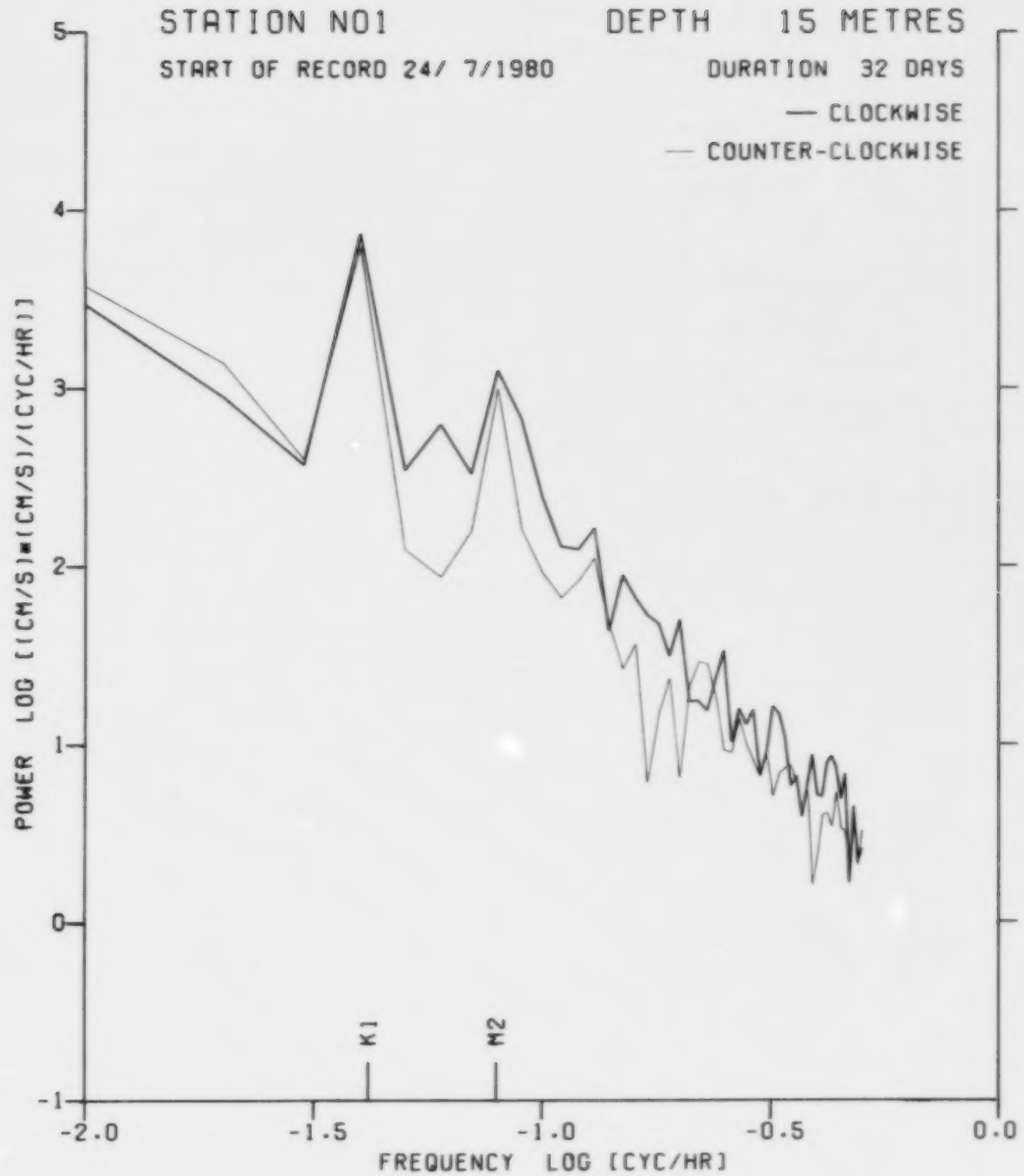
Number of zero rates: Ø

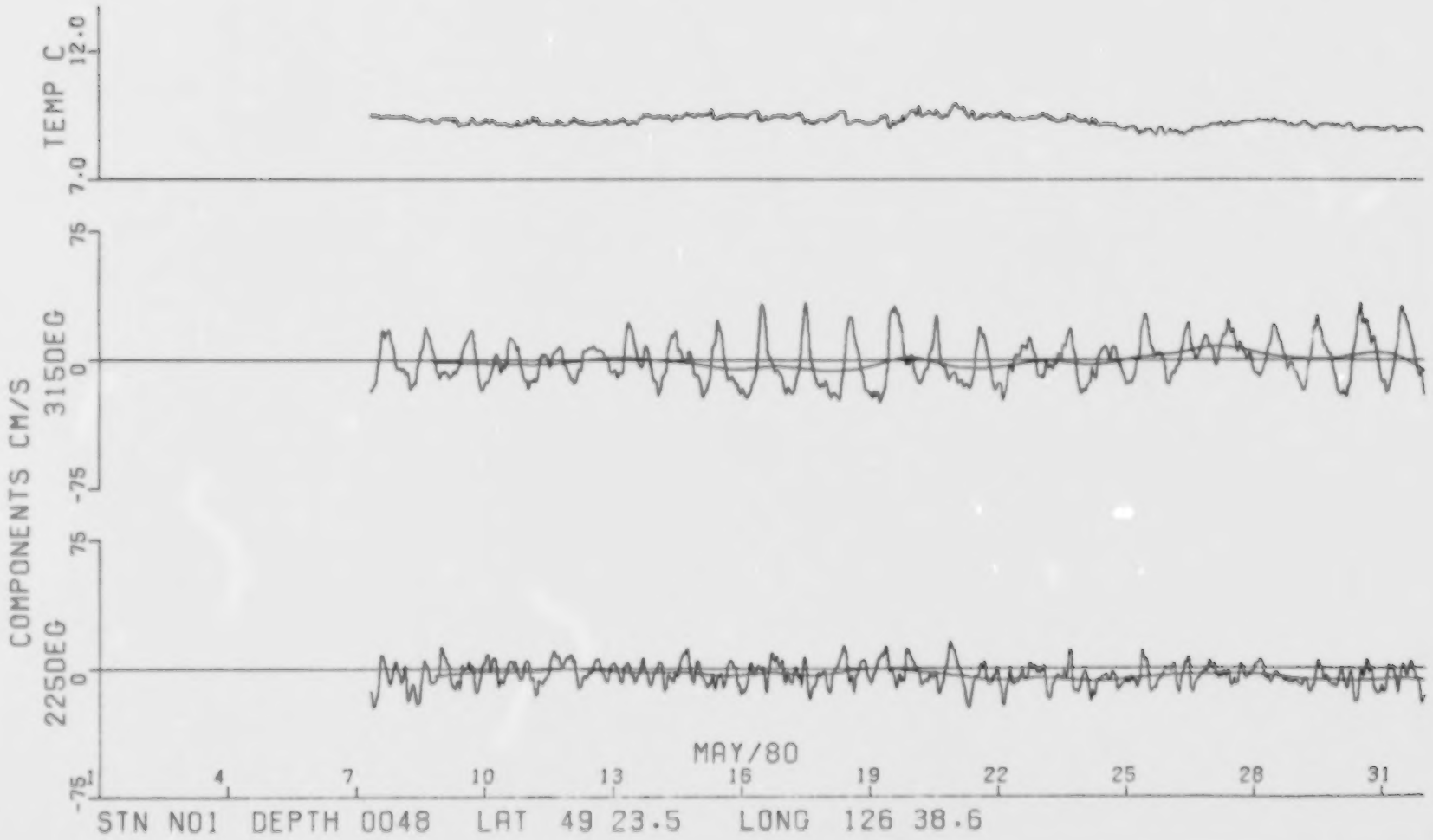
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

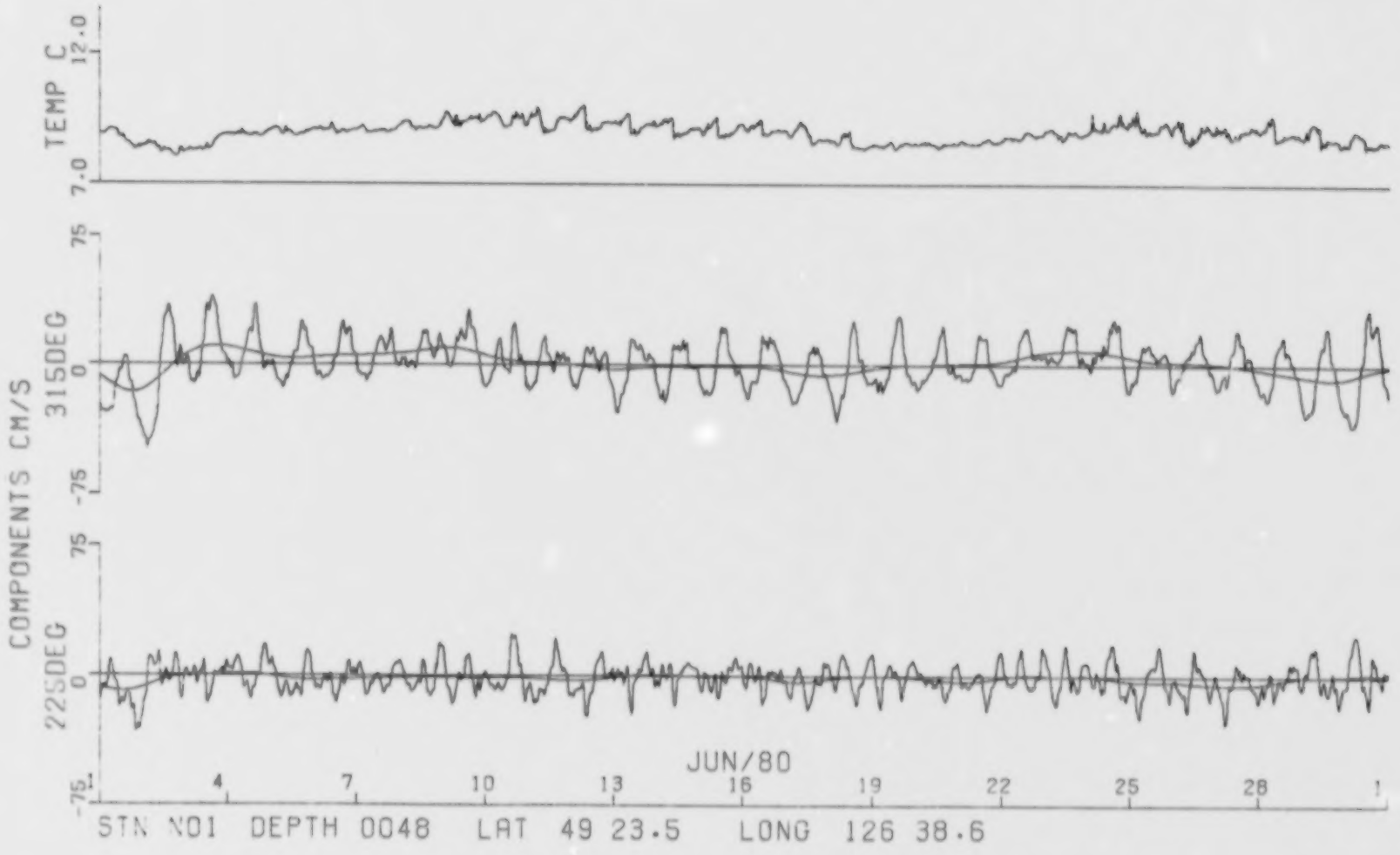
☑ODD NUMBERED DAYS
ⓉEVEN NUMBERED DAYS

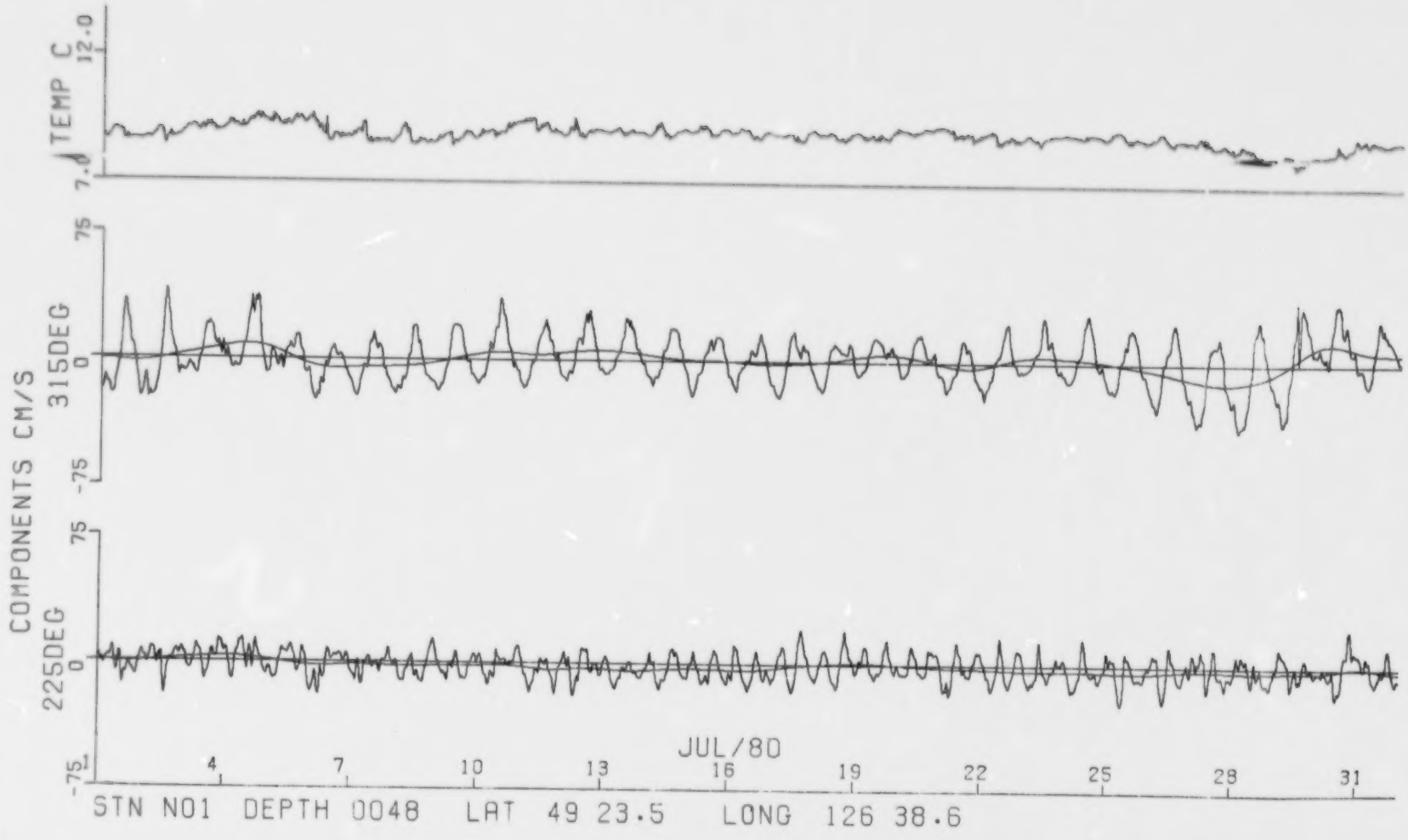
STN	DEPTH	AREA	DAY/YR	NO DAYS
N01	0015M	8600	238/80	19

SCALE 100 KM

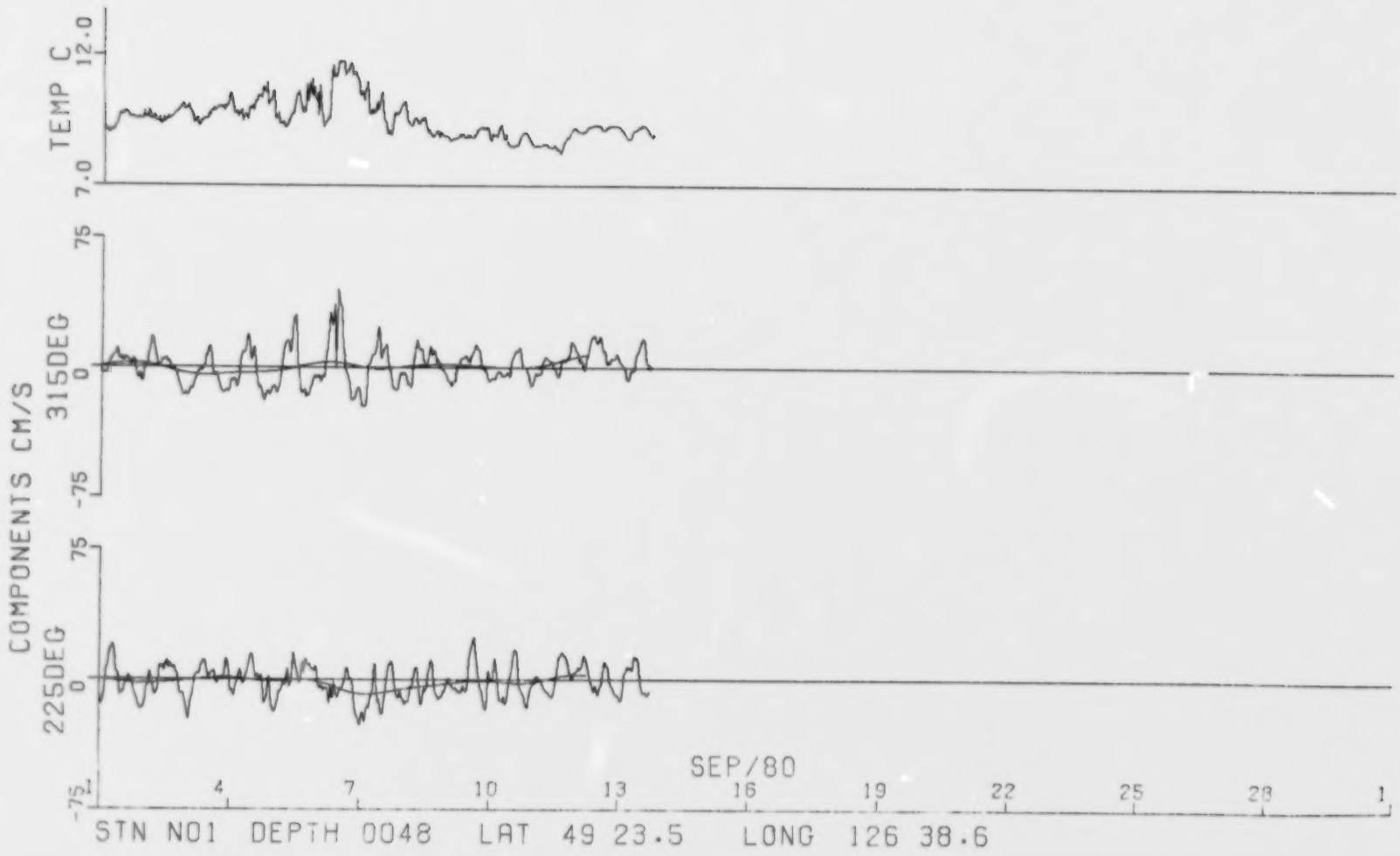

STATION NO1
DEPTH 15 METRES
START OF RECORD 24/ 7/1980
DURATION 32 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN NO1 DEPTH 0048 LAT 49 23.5 LONG 126 38.6


TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
4
7
10
13
16
19
22
25
28
1
STN NO1 DEPTH 0048 LAT 49 23.5 LONG 126 38.6


TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN NO1 DEPTH 0048 LAT 49 23.5 LONG 126 38.6

COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
7.0
12.0
STN NO1 DEPTH 0048 LAT 49 23.5 LONG 126 38.6
4
7
10
13
16
AUG/80
19
22
25
28
31


TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
4
7
10
13
16
19
22
25
28
1
STN NO1 DEPTH 0048 LAT 49 23.5 LONG 126 38.6

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn N01 Depth 0048 ESTEVAN POINT NEAR SHORE 49 23.5 N 126 38.6 W Length of record=129 Days
Start of record 0 mn 8 hr 7 dy 5 mo 88 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	013	009	005	009	010																					
10- 19	010	005	007	009	013	001																				186
20- 29	016	007	003	008	009	002																				195
30- 39	009	009	005	009	010	001																				195
40- 49	008	005	009	019	002																					153
50- 59	015	007	003	008	004	001																				143
60- 69	012	003	009	014	005	003																				154
70- 79	005	004	008	021	011	008																				146
80- 89	019	009	009	026	023	006	003	001	001																	159
90- 99	013	008	008	053	021	019	003		005																	217
100-109	010	004	008	008	030	006			002																	252
110-119	014	003	002	008	008	008	001		004																	242
120-129	014	003	007	008	004	008	003	001		001																248
130-139	011	007	007	009	001	012	006	004		001																223
140-149	015	009	006	008	017	017	009	012	005	001																258
150-159	014	002	005	001	011	007		005																		239
160-169	006	002	001	001	006	002		002																		185
170-179	005	008	008	007	009	002	001	002																		130
180-189	012	001	008	003		001																				114
190-199	004	009	005	003	001																					107
200-209	008	001	007	002	001																					72
210-219	002	004	004	006																						49
220-229	007	008	006	005																						66
230-239	006	005	004	008	001																					58
240-249	009	004	009	007	008																					94
250-259	001	008	001	008	006	003																				117
260-269	001	002	005	008	005	005	002																			109
270-279	008	006	005	002	009	004	002																			110
280-289	005	008	008	001	003	002	004																			116
290-299	009	006	006	003	005	003	007	001																		153
300-309	003	008	006	007	002	004	009	004																		210
310-319	009	001	008	003	001	007	005	004																		255
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330-339	005	004	005	000	006	008	001	009	001																	304
340-349	009	001	001	008	001	004	004	004	001																	249
350-359	004	004	009	008	002	002																				233
																										209
	1997		1105		254		57		4		0		0		0		0		0		0		0		0	6210
	399	1725		554		93		22		0		0		0		0		0		0						

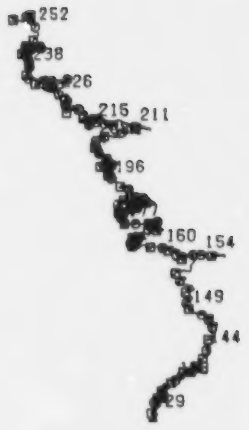
Number of zero rates: 2

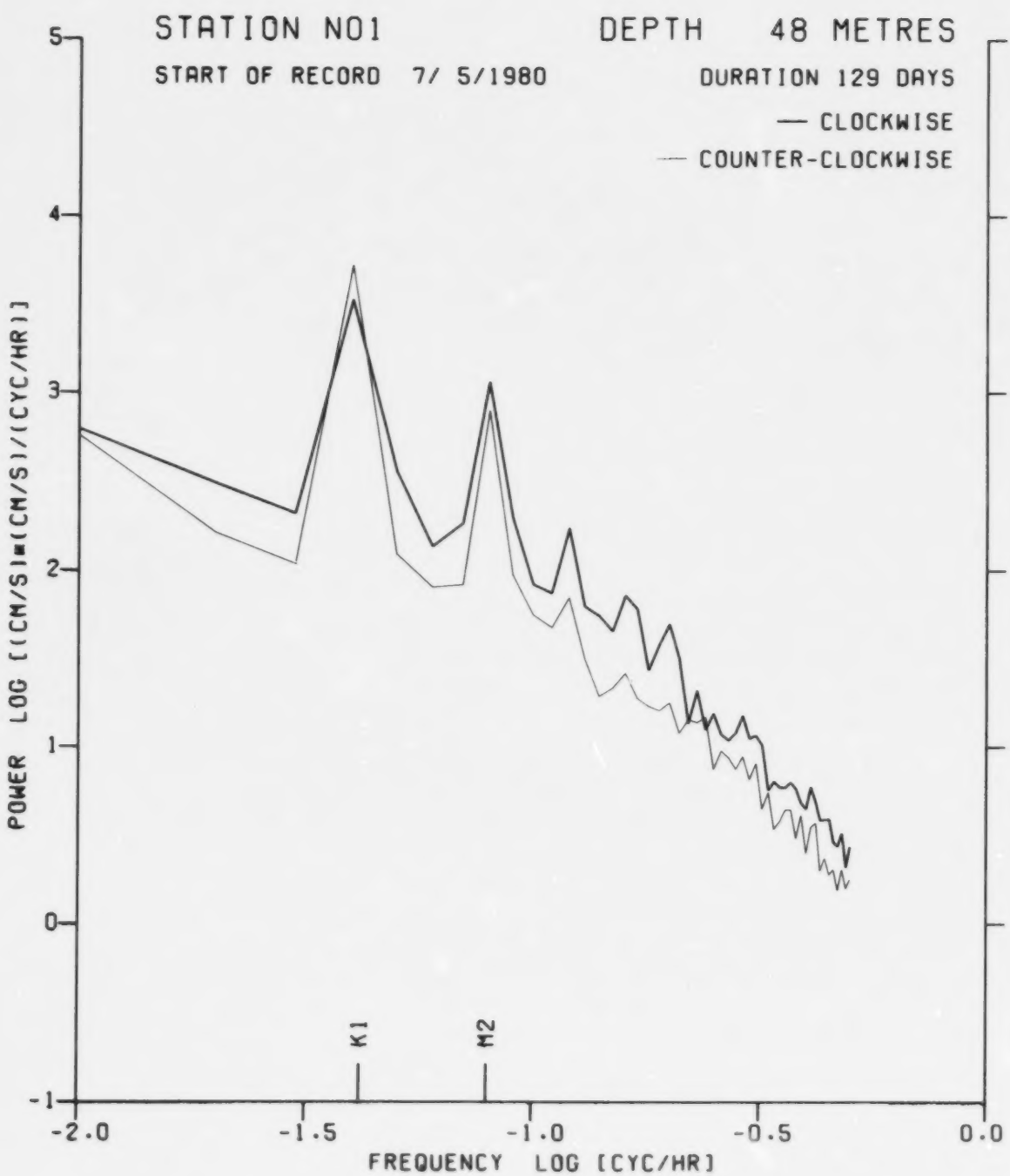
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

☑ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
NO1	0048M	8600	128/80	129

SCALE
100 KM




STATION NO1
DEPTH 48 METRES
START OF RECORD 7/ 5/1980
DURATION 129 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

PART

5B

DATA RECORD OF CURRENT OBSERVATIONS
VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)
PART 5B

W.S. Huggett, W.R. Crawford, R.E. Thomson, M.V. Woodward

INSTITUTE OF OCEAN SCIENCES

SIDNEY, B.C.

DATA RECORD OF CURRENT OBSERVATIONS

VOLUME XIX

COASTAL OCEAN DYNAMICS EXPERIMENT (CODE)

PART 5B

W.S. Huqqett, W.R. Crawford, R.E. Thomson, M.J. Woodward

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SIDNEY, B.C.

1987

ABSTRACT

Current meter data from the west coast of Vancouver Island for the years 1979-81 are summarized. Temperature and salinity measurements coincident with the current observations are also shown. Tidal data from both onshore and offshore pressure gauges are given in Part 1.

INDEX (Parts A & B)

Station	Depth	Start Time	Length		Page
CZ1	50	13 22 4 80	94		2
CZ1	50			Harmonic Analysis	413
CZ1	50	30 14 22 10 80	108		9
CZ1	50			Harmonic Analysis	414
CZ1	100	13 22 4 80	94		18
CZ1	100			Harmonic Analysis	415
CZ1	100	30 14 22 10 80	108		25
CZ1	100			Harmonic Analysis	416
CZ2	50	16 22 10 80	107		33
CZ2	100	30 16 22 10 80	107		41
CZ3	50	14 11 06 80	84		50
CZ3	100	14 11 06 80	99		58
CZ3	200	14 11 06 80	99		66
CZ3	200			Harmonic Analysis	417
CZ4	50	12 01 06 80	99		74
CZ4	100	12 01 06 80	99		82
CZ4	250	12 01 06 80	99		90
CZ4	500	12 01 06 80	99		98
CB1	50	16 14 06 80	97		106
CB1	50	10 22 09 80	135		114
CB1	50	10 07 02 81	116		123
CB1	100	16 14 06 80	97		132
CB1	100	10 22 09 80	135		140
CB1	100	30 10 07 02 81	116		149
NO1	15	8 07 05 80	65		157
NO1	48	8 07 05 80	129		165
NO1	48			Harmonic Analysis	418
EO1	45	11 07 05 80	129		173
EO1	45		234	Harmonic Analysis	419
EO1	81	11 07 05 80	129		181
E1A	15	10 07 05 80	129		189
E1A	15			Harmonic Analysis	421

Station	Depth	Start Time					Length		Page
E1B	6	15	08	07	05	80	79		197
E1B	6	0					129	Harmonic Analysis	422
E1B	6	30	15	31	07	80	44		204
E02	45	30	12	07	05	80	131		209
E02	49						236	Harmonic Analysis	423
E02	116	30	12	07	05	80	131	Harmonic Analysis	217
E2A	15	30	13	07	05	80	131		225
E2A	15							Harmonic Analysis	425
E2B	60	30	15	07	05	80	102		234
E2B	60							Harmonic Analysis	426
E03	55	30	20	07	05	80	108		242
E03	55							Harmonic Analysis	427
E03	350	30	19	07	05	80	88		250
E03	555	30	20	07	05	80	128		257
E03	750	30	20	07	05	80	128		265
E04	50	30	09	08	05	80	125		273
E04	50							Harmonic Analysis	428
E04	350		10	08	05	80	127		281
E04	550		10	08	05	80	127		289
E04	1000		10	08	05	80	127		297
E04	1250		10	08	05	80	127		305
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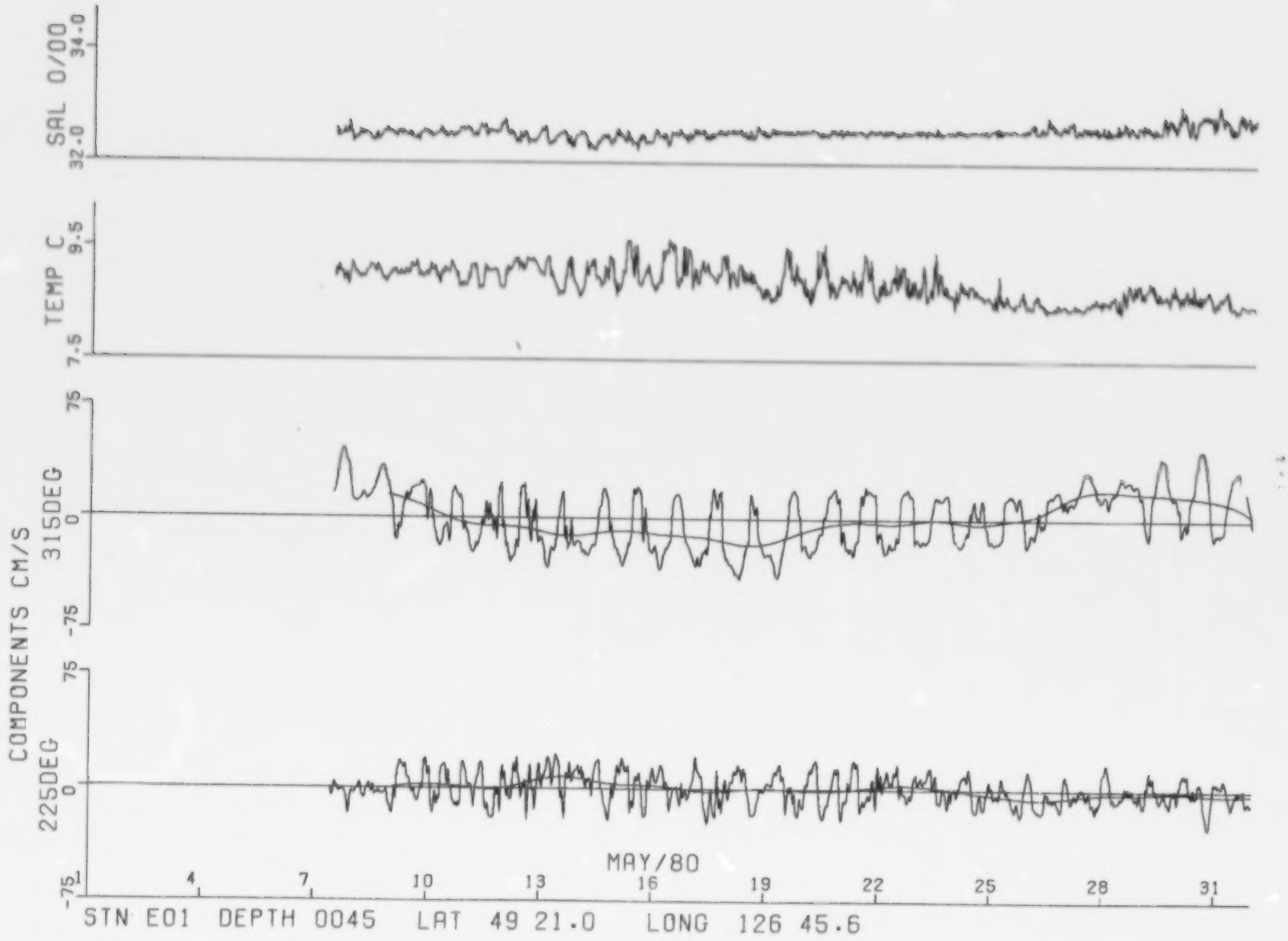
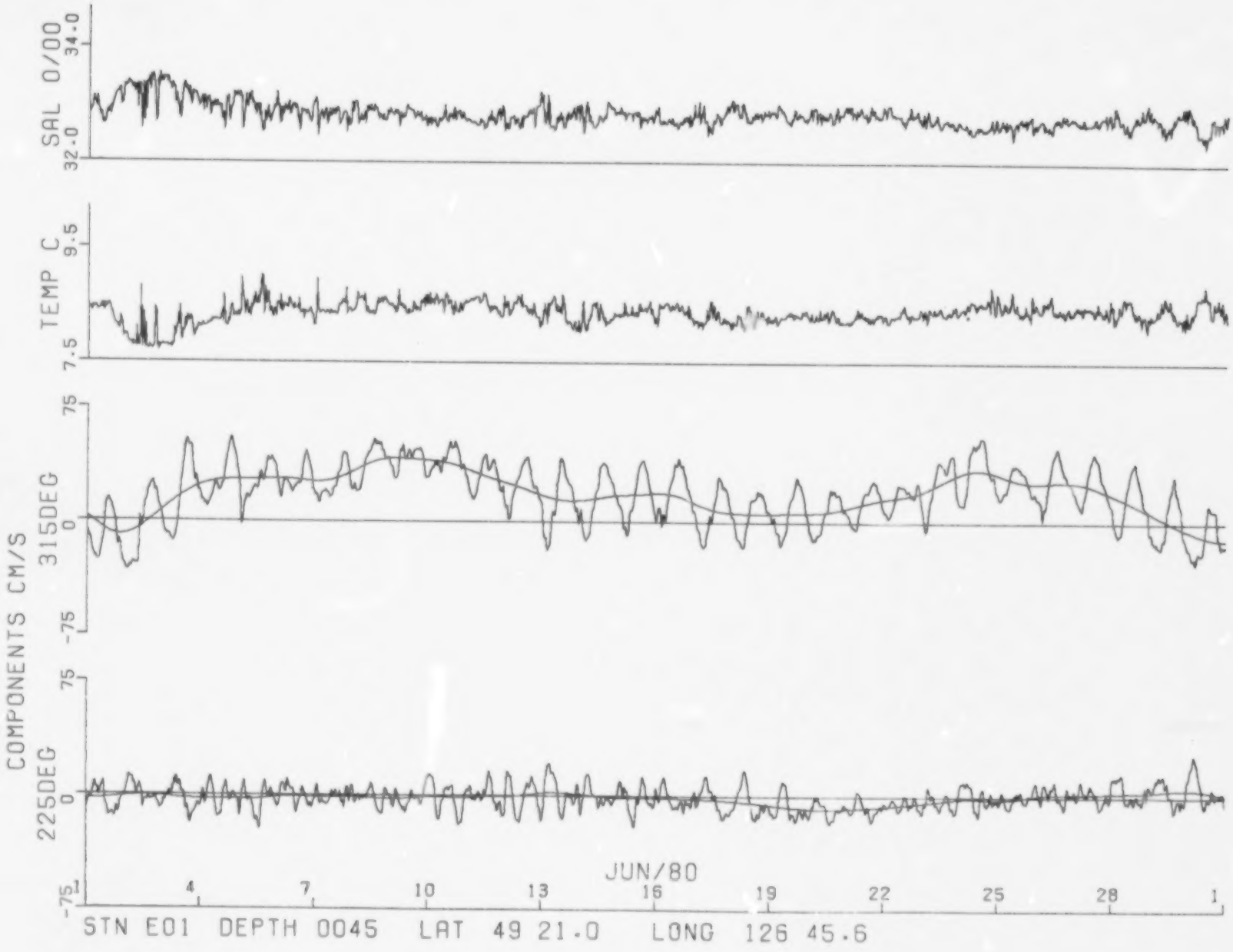
E05	153		14	08	05	80	123		321
E05	153							Harmonic Analysis	429


SAL O/OO
34.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0045 LAT 49 21.0 LONG 126 45.6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32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
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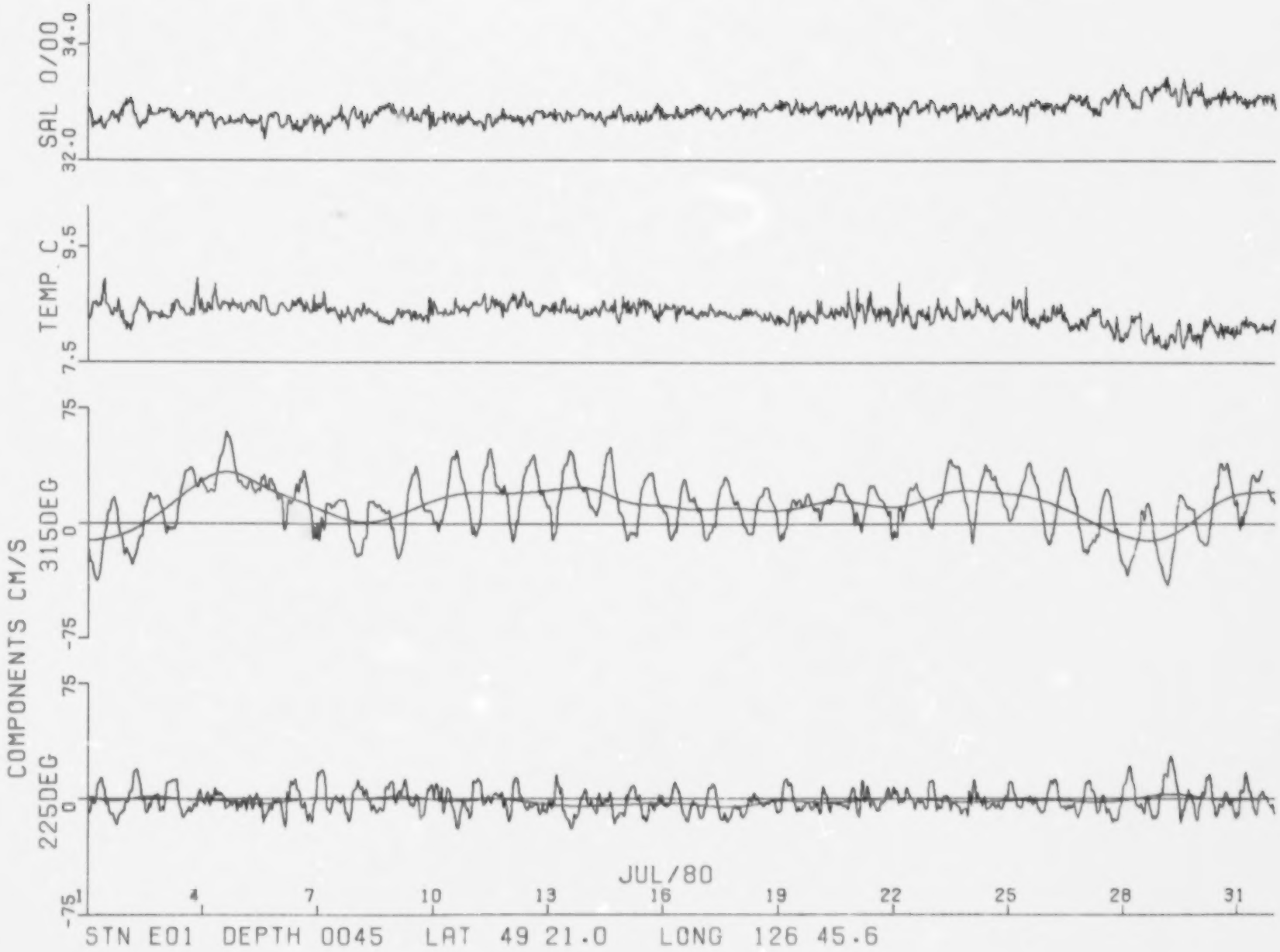
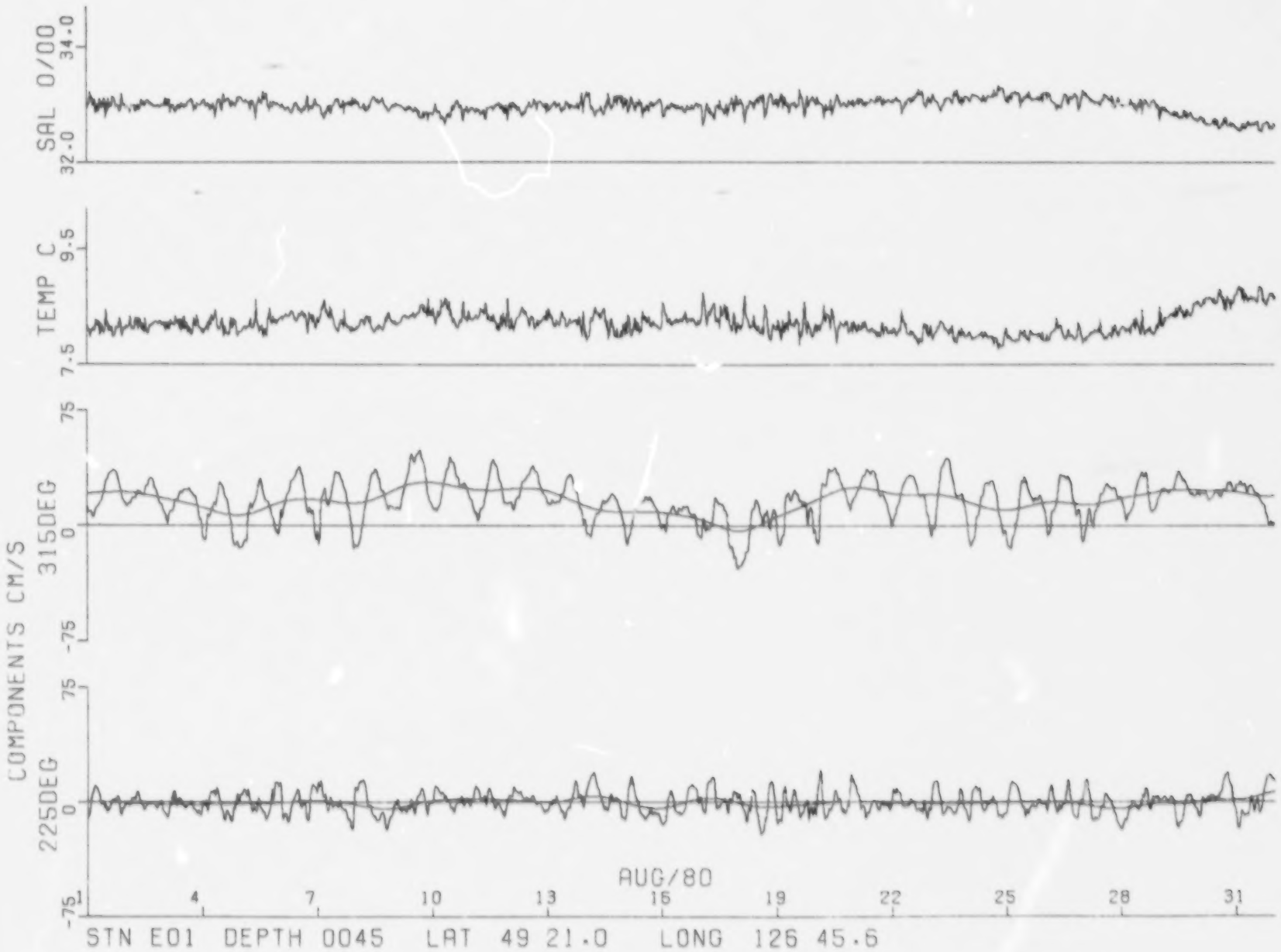
75
0
-75
225DEG
75
0
-75
JUN/80
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0045 LAT 49 21.0 LONG 126 45.6


SAL O/OO
34.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0045 LAT 49 21.0 LONG 126 45.6


SAL O/OO
34.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0045 LAT 49 21.0 LONG 126 45.6

STN E01 DEPTH 0045 LAT 49 21.0 LONG 126 45.6
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
7.5
9.5
SAL 0/00
32.0
34.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E01 Depth 0045 ESTEVAN POINT 49 21.0 N 126 45.6 W Length of record=129 Days
Start of record 0 mn 11 hr 7 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9		014	046	035	009	001	001																			106
10- 19	002	017	033	019	001	001																				73
20- 29		009	029	014	003																					55
30- 39	001	010	019	011	002	001																				44
40- 49	001	005	026	020	003																					55
50- 59	001	006	021	011	004																					43
60- 69	002	013	022	012	003																					52
70- 79	003	011	014	007	004																					39
80- 89		010	012	014	002																					38
90- 99	002	008	017	010	006																					43
100-109	002	010	015	011	009	003																				50
110-119	002	009	025	020	016	001																				73
120-129	001	012	016	024	010	008	003																			74
130-139	001	018	026	025	024	019	005	002																		120
140-149	004	013	030	032	030	027	012	006																		154
150-159		014	031	035	029	016	021	014	009																	169
160-169	002	006	033	033	029	018	007	002	001																	131
170-179		008	029	029	016	011	011	002	002																	108
180-189	001	017	020	017	013	007	003	002																		80
190-199		011	028	018	003																					60
200-209	001	007	029	014	001																					52
210-219	002	009	042	013	001																					67
220-229	002	003	021	012	004																					42
230-239	002	007	028	017	001																					55
240-249	002	007	021	020	002																					52
250-259	001	014	018	015	002																					50
260-269	004	013	040	014	004																					75
270-279		020	040	021	007	004	001																			93
280-289		011	043	042	013	009	002	004	005	002																131
290-299	002	017	042	047	044	019	014	022	009	002																218
300-309		018	058	096	081	071	063	062	036	019	008	002	001													515
310-319	003	010	098	132	188	195	160	139	089	062	026	006														1108
320-329	001	009	094	193	212	192	141	115	067	024	016	007														1071
330-339	003	020	074	155	136	084	053	028	010	009	008															580
340-349	001	019	075	117	056	041	023	012	003	001																348
350-359		019	054	052	030	016	002	001																		174
	424	1357		744		411		119		15		0		0		0		0		0		0		0		6198
	49	1269		998		522		231		58		1		0		0		0		0		0		0		

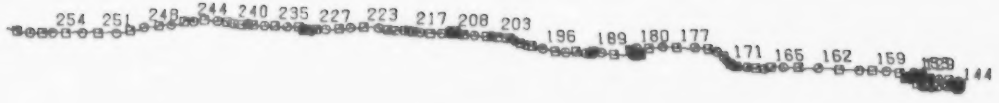
Number of zero rates: 0

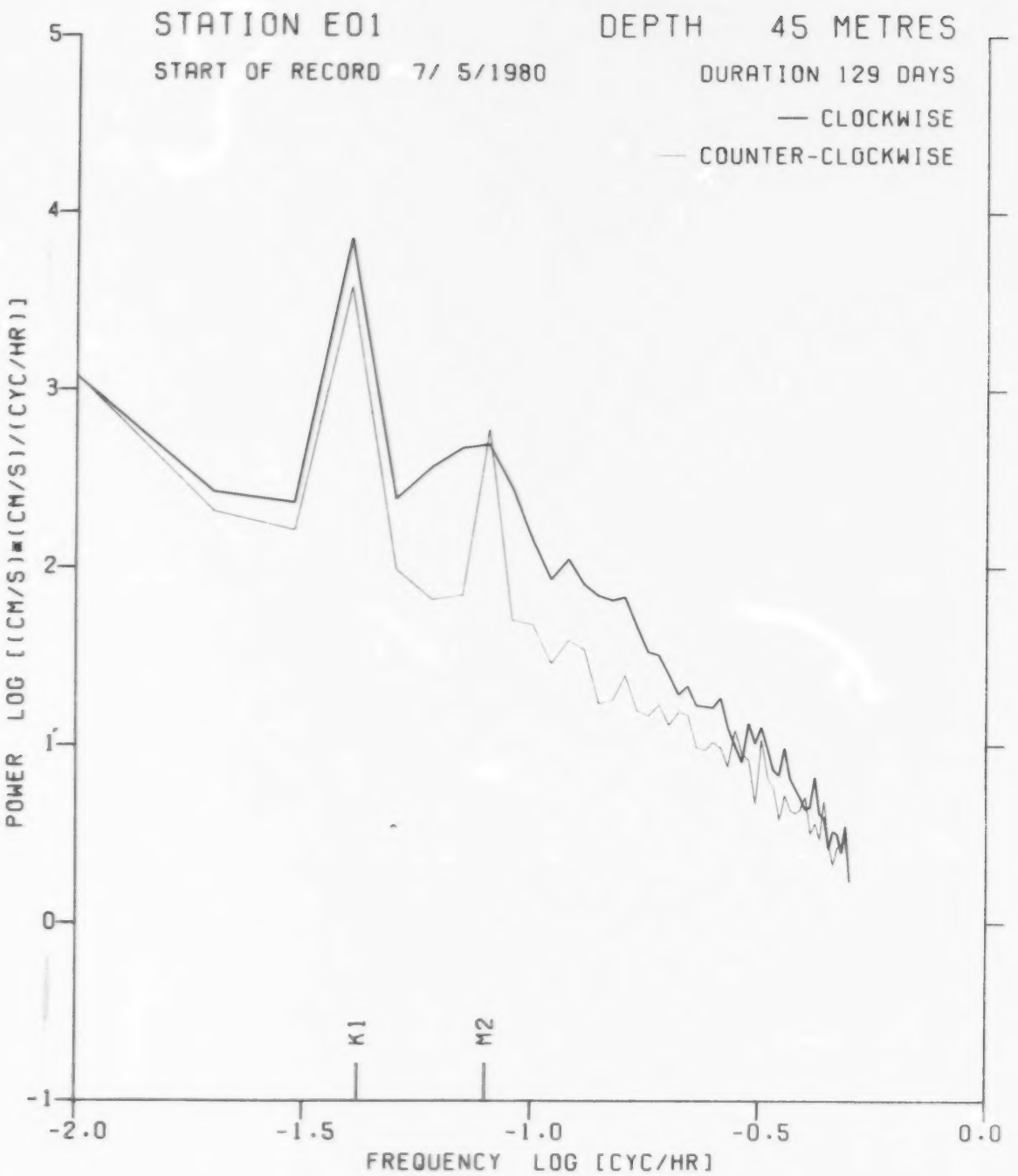
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

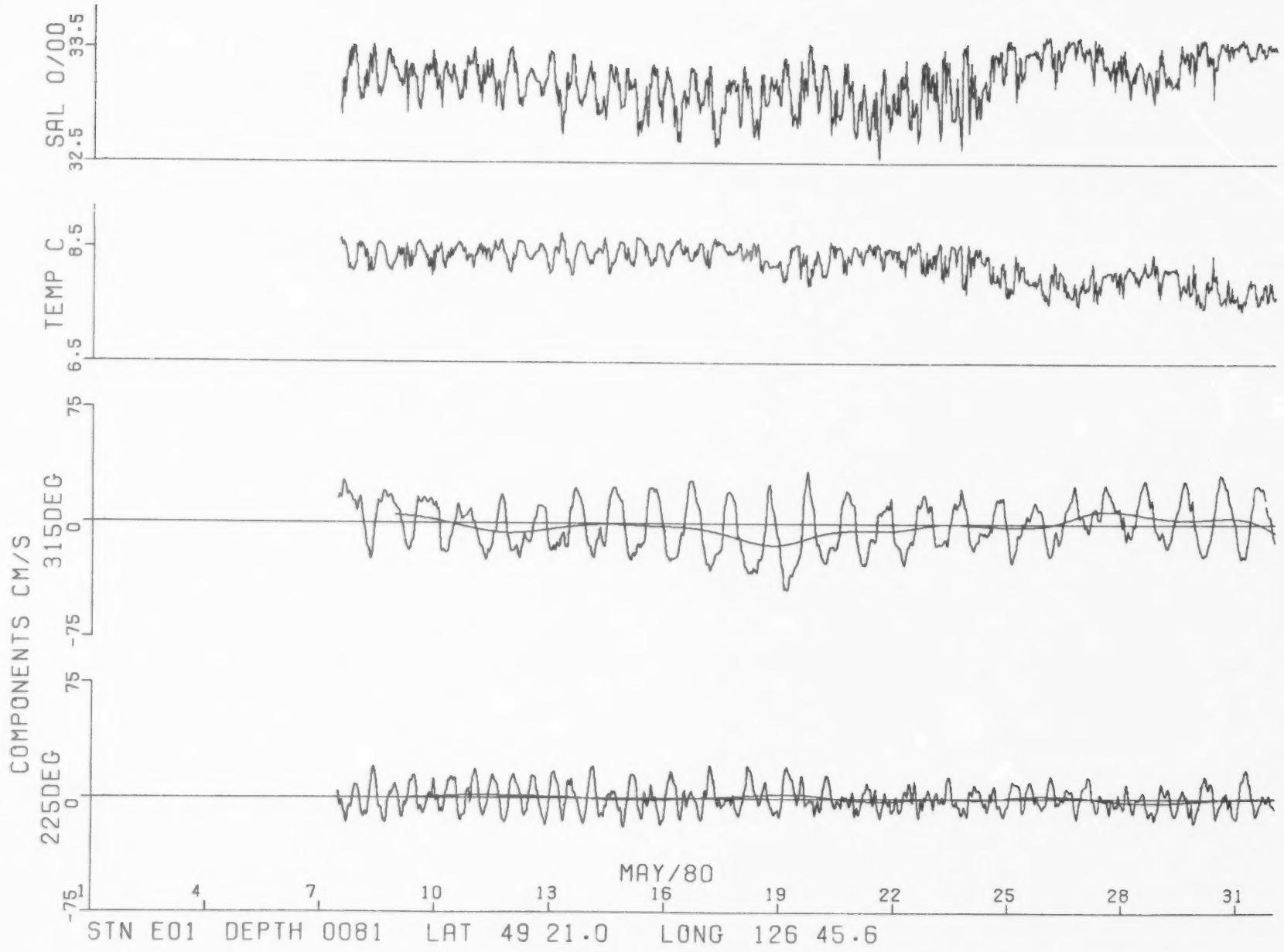
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

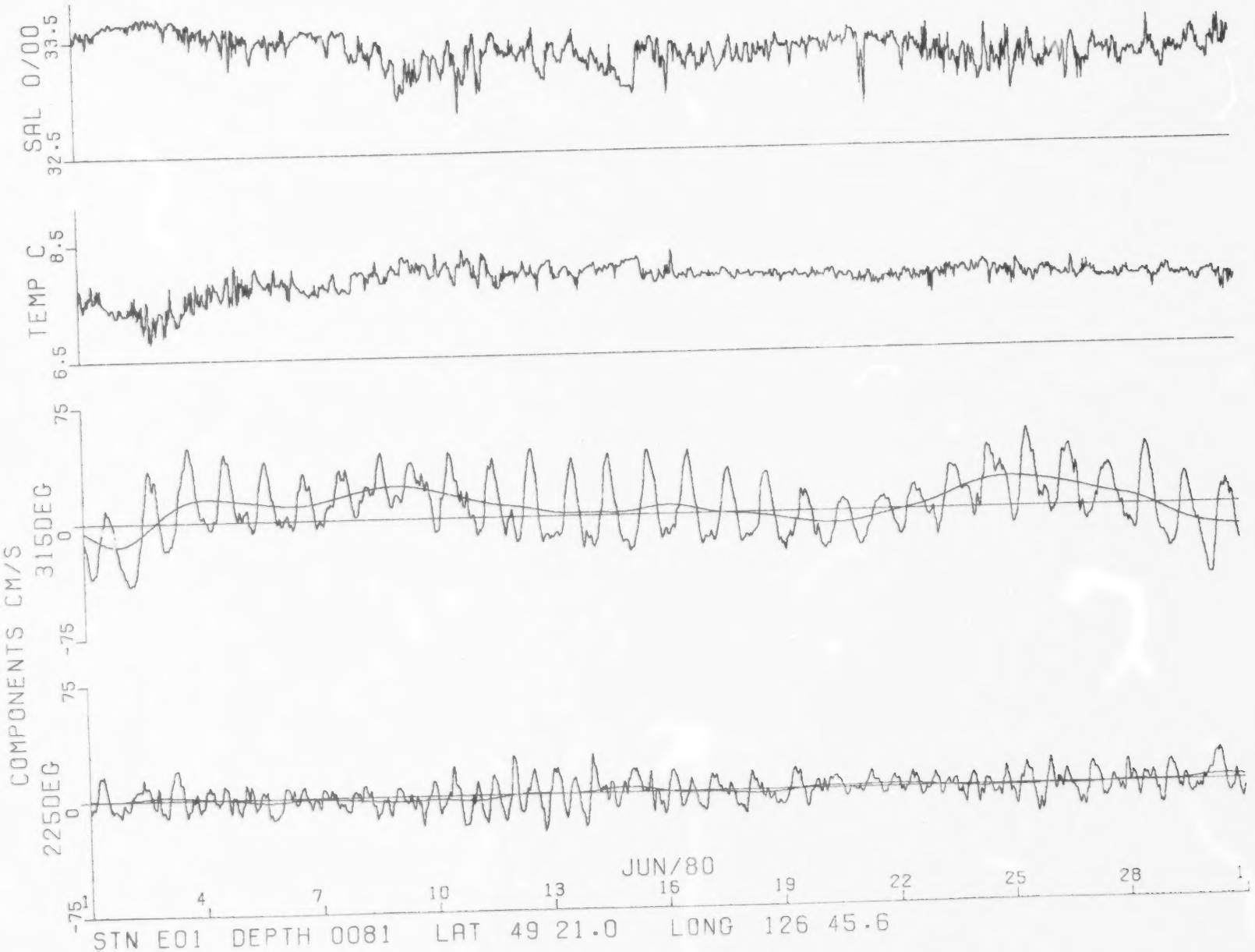
STN	DEPTH	AREA	DAY/YR	NO DAYS
E01	0045M	8600	128/80	129

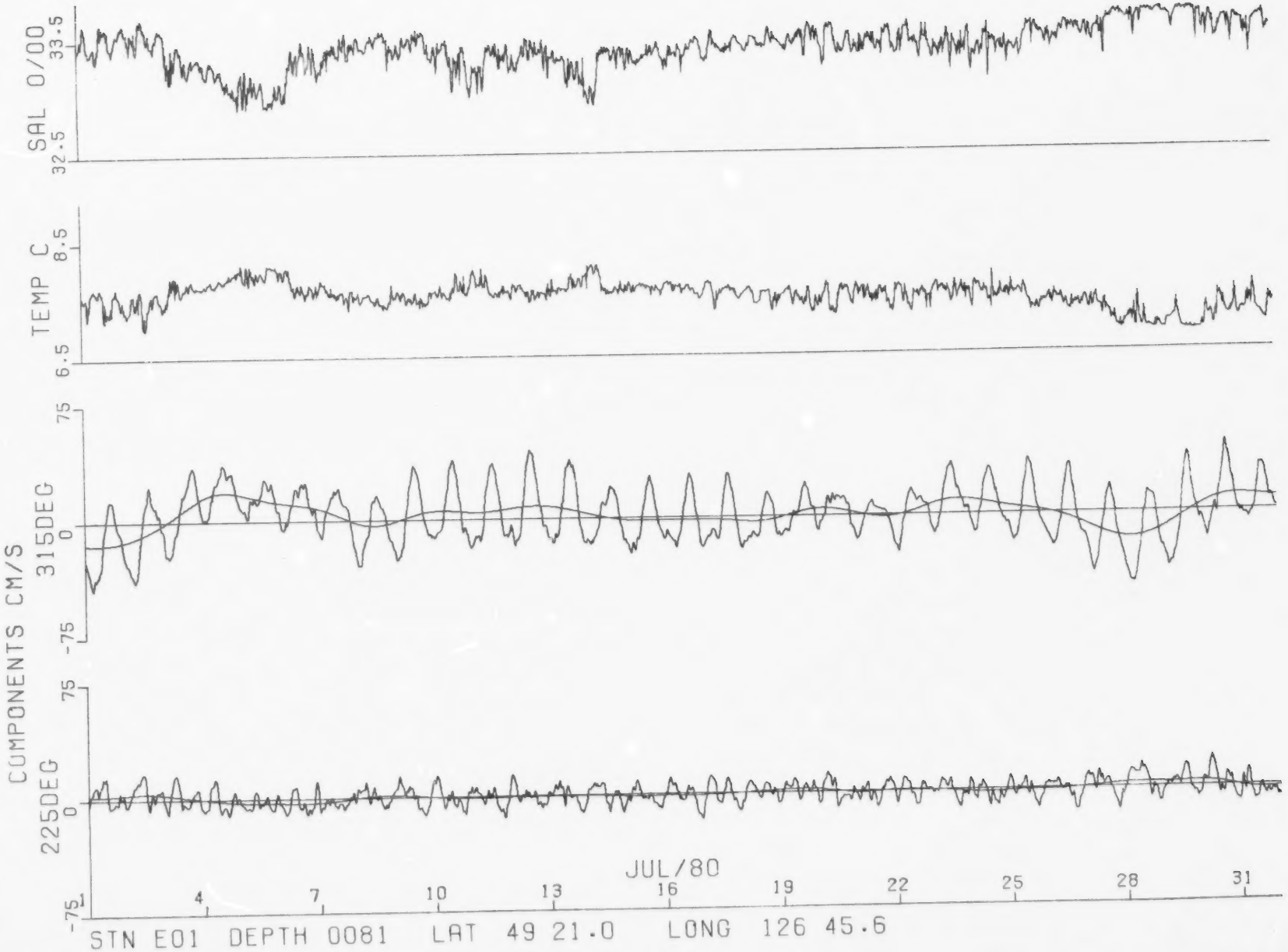
SCALE
100 KM

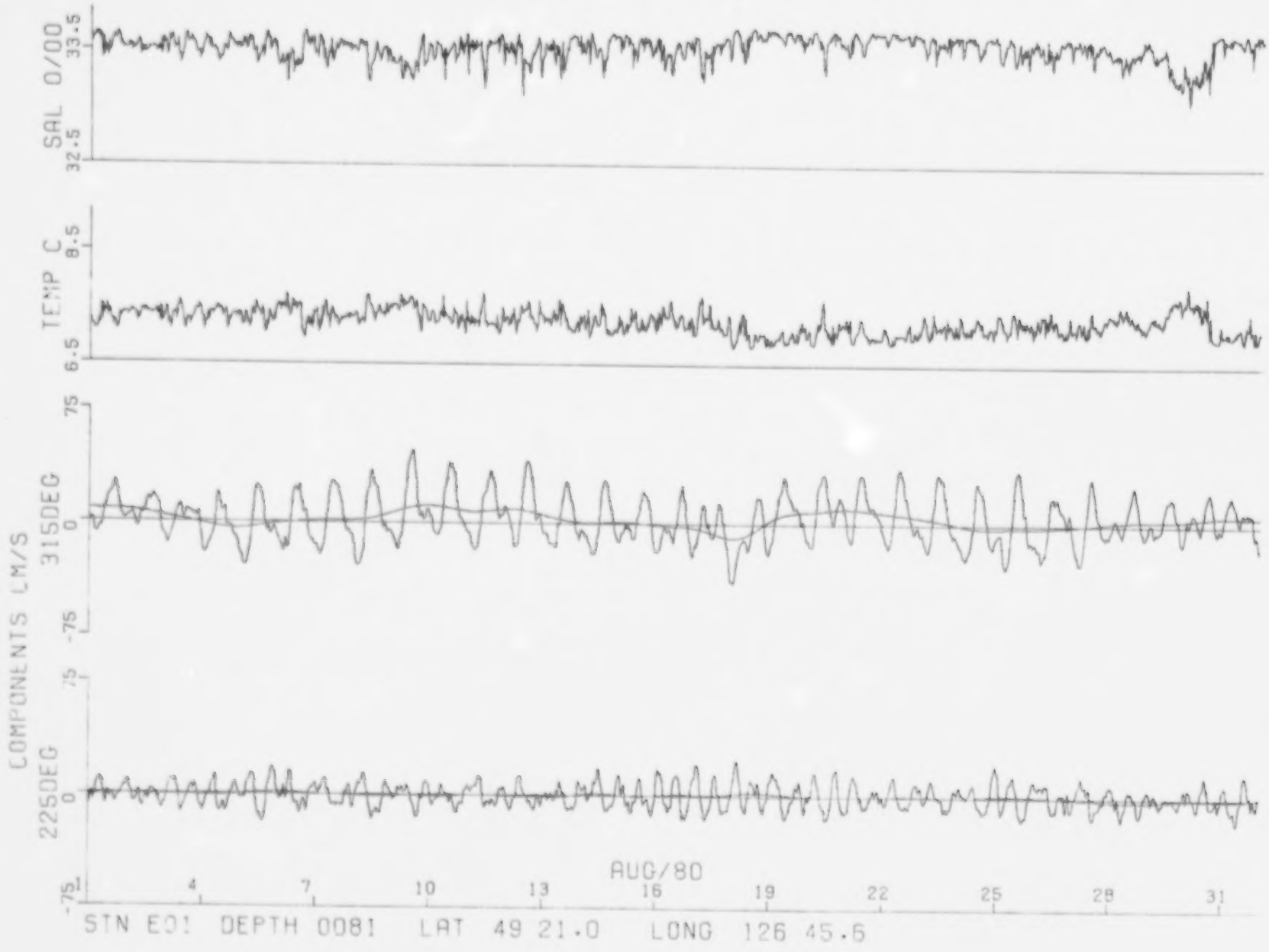


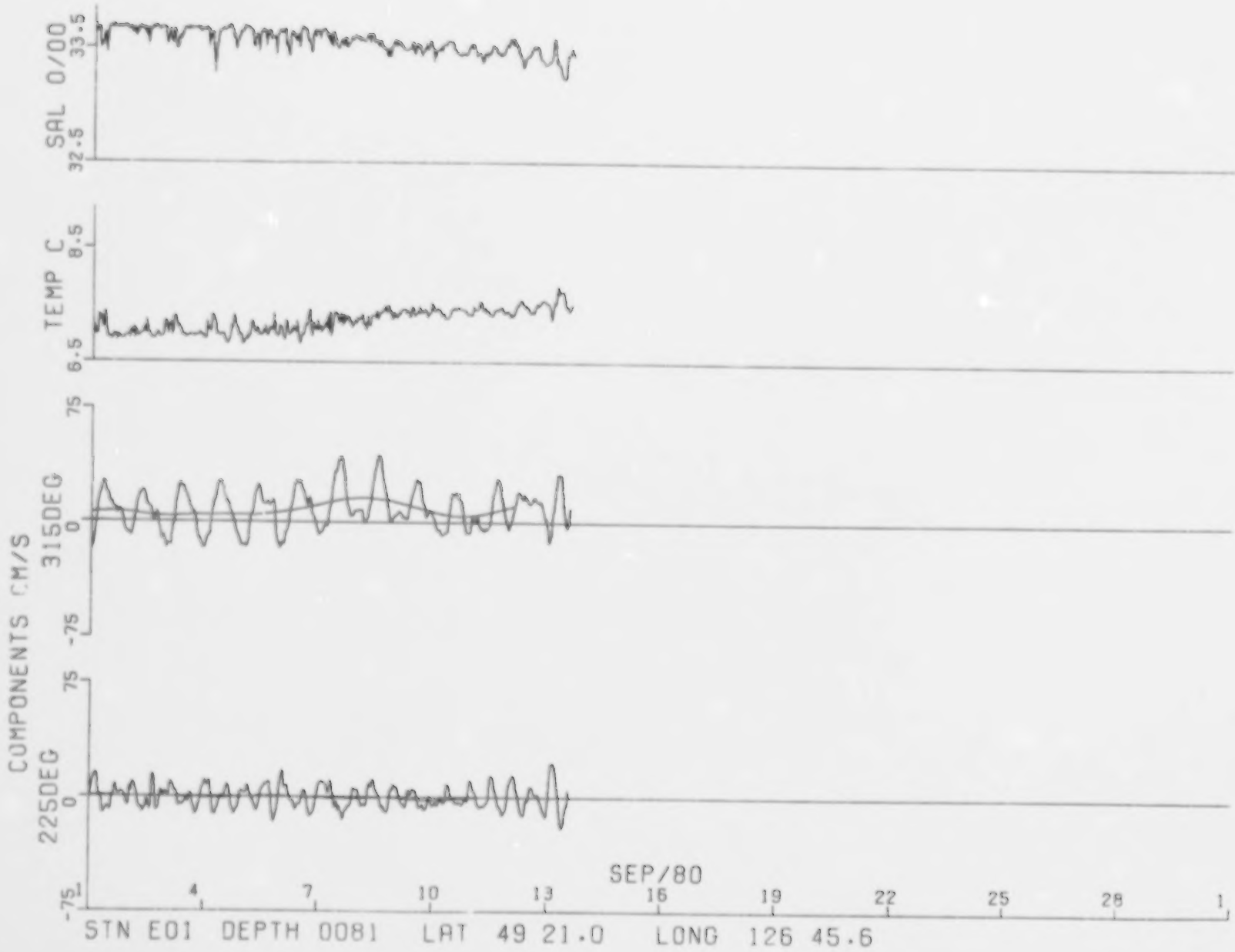

STATION E01
DEPTH 45 METRES
START OF RECORD 7/ 5/1980
DURATION 129 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
33.5
32.5
TEMP C
8.5
6.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0081 LAT 49 21.0 LONG 126 45.6


SAL 0/00
33.5
32.5
TEMP C
8.5
6.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0081 LAT 49 21.0 LONG 126 45.6


SAL 0/00
33.5
32.5
TEMP C
8.5
6.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0081 LAT 49 21.0 LONG 126 45.6


SAL O/OO
33.5
32.5
TEMP C
8.5
6.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
4
7
10
13
16
19
22
25
28
31
STN E01 DEPTH 0081 LAT 49 21.0 LONG 126 45.6


SAL 0/00
33.5
32.5
TEMP C
8.5
6.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
4
7
10
13
16
19
22
25
28
1
STN E01 DEPTH 0081 LAT 49 21.0 LONG 126 45.6

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E#1 Depth ####1 ESTEVAN POINT 49 21.# N 126 45.6 W Length of record=129 Days
Start of record # mn 11 hr 7 dy 5 mo ## yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	##1 to ##4	##5 to ##9	#1# to #14	#15 to #19	#2# to #24	#25 to #29	#3# to #34	#35 to #39	#4# to #44	#45 to #49	#5# to #54	#55 to #59	#6# to #64	#65 to #69	#7# to #74	#75 to #79	#8# to #84	#85 to #89	#9# to 094	#95 to #99	1## to 1#4	1#5 to 1#9	11# to 114	115 to 119	12# to 124	
#- 9	###	#51	#4#	#17	##5	##2																				123
1#- 19	##4	#44	#34	#15	##4	##1																				1#2
2#- 29	#11	#4#	#31	##9	##1																					92
3#- 39	#12	#37	#17	##9	##2																					77
4#- 49	##6	#33	#25	##4	##1																					69
5#- 59	##9	#29	#23	##7	##1																					69
6#- 69	#12	#2#	#2#	###	##1																					69
7#- 79	###	#29	#39	#14	##1																					91
8#- 89	#13	#39	#39	#16	##2																					1#9
9#- 99	###	#36	#4#	#26	##1																					111
1##-1#9	##2	#42	#39	#32	#13	##1																				129
11#-119	##7	#42	#52	#49	#11	##4																				165
12#-129	##9	#39	#66	#68	#2#	#14	##3	##2																		229
13#-139	###	#3#	#69	#58	#36	#26	##7	##9																		251
14#-149	##7	#2#	###	#81	#49	#3#	#24	#22	#16	###																353
15#-159	##6	#49	#72	#79	#5#	#25	###	#17	##5	##7																31#
16#-169	##2	#46	#51	#61	#31	#23	###	#11	##3	##2																23#
17#-179	#11	#25	#46	#5#	#37	#15	##5	##2																		191
18#-189	##4	#36	#3#	#23	#24	##3	##2																			13#
19#-199	###	#34	#29	#21	##6																					98
2##-2#9	#11	#35	#22	#1#	##6	##1																				85
21#-219	##6	#19	#22	##6	##1	##2																				56
22#-229	#12	#23	#23	##3	##4																					6#
23#-239	##9	#22	#17	##1																						49
24#-249	###	#34	#14	###	##3																					67
25#-259	#11	#41	#19	#11		##1																				83
26#-269	##5	#39	#24	#15	##1																					8#
27#-279	##9	#33	#27	#17	#13	##1																				1##
28#-289	##7	#41	#54	#24	#13	##7	##2	##1	##1																	15#
29#-299	##9	#42	#51	#21	#32	#15	#12	##2	##2																	186
3##-3#9	##5	#44	#55	#7#	#54	#43	#35	#15	#16	##1																338
31#-319	##3	#57	#65	#88	##1	#78	#43	#51	#24	###	##1															499
32#-329	##6	#44	#97	#83	##1	#98	#78	#3#	#2#	##3																548
33#-339	###	#45	#85	#84	#91	#7#	#2#	#12	##5																	42#
34#-349	##9	#43	#7#	#72	#43	#3#	##5	##2																		274
35#-359	##7	#38	#53	#47	#21	###	##2																			176
	1345		12#7		5#6		184		29		#		#		#		#		#		#		#		#	6198
	284	1548		748		254		92		1		#		#		#		#		#		#		#		

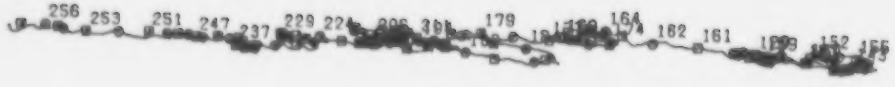
Number of zero rates: #

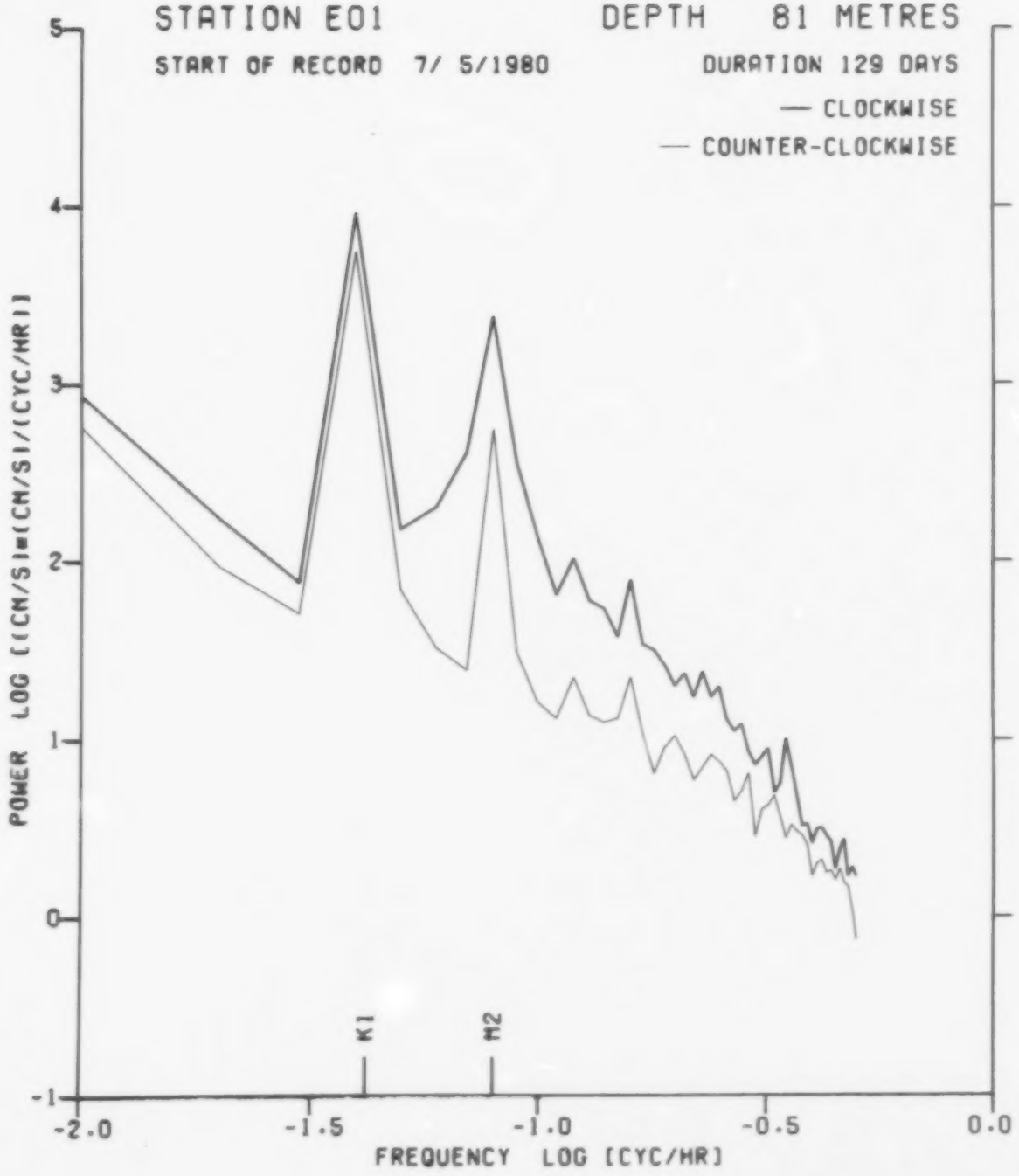
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
EDI	0081M	8600	120/80	129

SCALE 100 KM



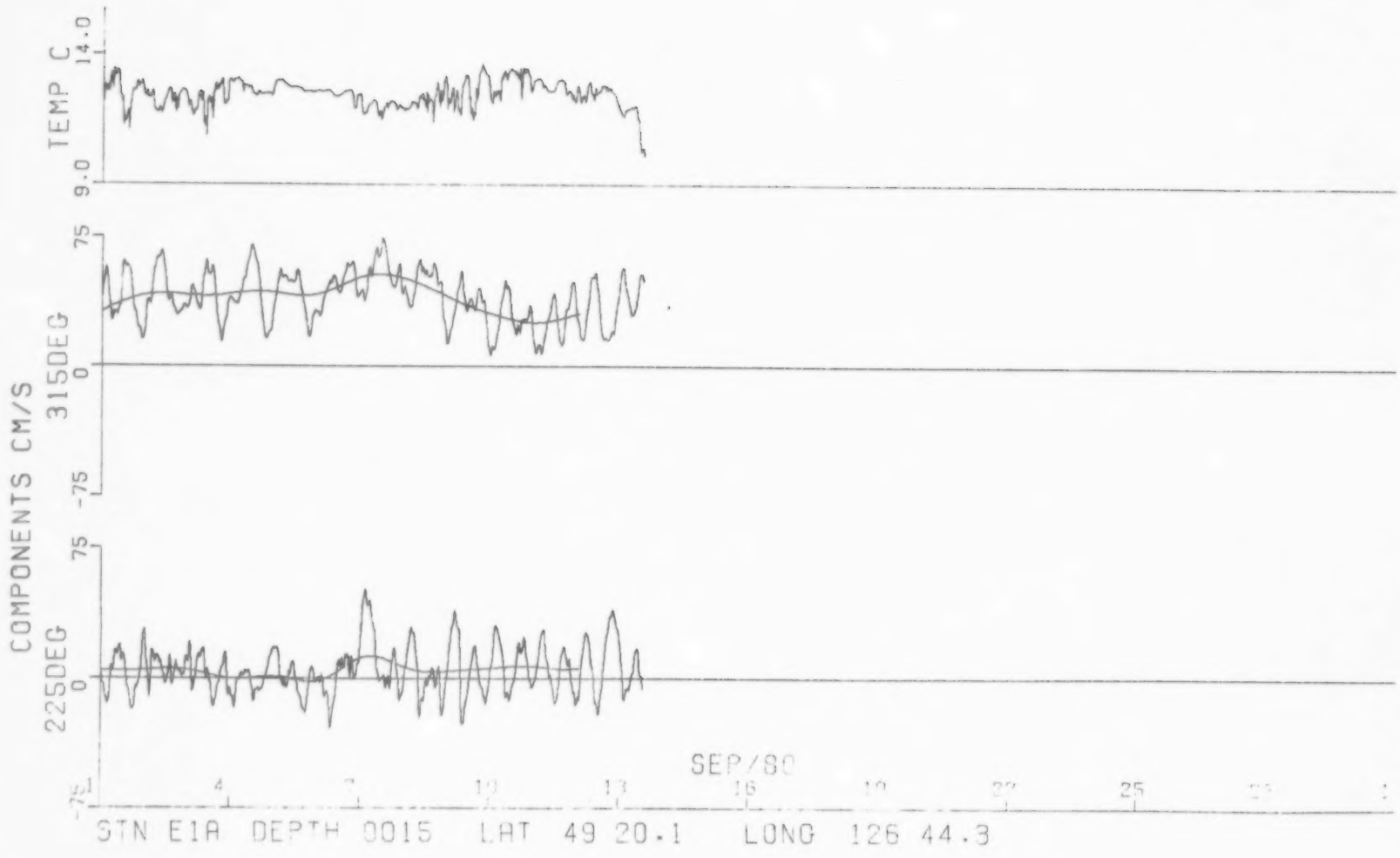

STATION E01
DEPTH 81 METRES
START OF RECORD 7/ 5/1980
DURATION 129 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CN/S)=(CN/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E1A DEPTH 0015 LAT 49 20.1 LONG 126 44.3
MAY/80
4
7
10
13
16
19
22
25
COMPONENTS CM/S
225DEG
315DEG
TEMP C
75
0
-75
9.0
14.0

STN E1A DEP'- 0015 LAT 49 20.1 -ONO 126 44.3
COMPONENTS CM/S
225DEG
315DEG
TEMP C
75
0
-75
9.0
14.0

STN E1A DEPTH 0015 LAT 49 20.1 LONG 126 44.3
JUL/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
75
0
-75
9.0
14.0

STN E1A DEPTH 0015 LAT 49 20.1 LONG 126 44.3
AUG/SEP
COMPONENTS CM/S
225DEG
315DEG
TEMP C
75
0
-75
9.0
14.0


TEMP C
14.0
9.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
SEP/80
4
7
13
16
25
STN E1A DEPTH 0015 LAT 49 20.1 LONG 126 44.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E1A Depth 0015 ESTEVAN POINT E1A 49 20.1 N 126 44.3 W Length of record=129 Days
Start of record 5 mn 10 hr 7 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	003	022	031	025	021	013	009	005	001	003	001															134
10- 19	006	011	020	020	016	013	005		002	001																94
20- 29	010	020	015	013	012	003	001																			74
30- 39	003	018	018	006	004	002																				51
40- 49	004	010	018	003	003	001																				39
50- 59	007	008	007	003	002		001																			28
60- 69	004	010	009	006	004	001																				34
70- 79	004	013	004	007	002	001																				31
80- 89	002	006	004	005	003	001	001	001																		23
90- 99		013	008	005	003	001																				30
100-109	005	009	007	002	005	004		001																		33
110-119	005	017	008	005	006	005		001																		47
120-129	003	011	012	009	003	002																				40
130-139	002	008	014	007	004	004	001																			40
140-149	004	006	014	009	007	004	003	001																		48
150-159	004	017	019	017	006	005		001																		69
160-169	007	017	017	023	009	005	004																			82
170-179	003	013	014	006	023	010	009	007																		87
180-189	005	017	011	019	022	010	012	006	002																	104
190-199	004	027	024	019	025	011	007	003	002																	122
200-209	002	009	025	028	018	005	007	004	003																	101
210-219	003	027	042	026	024	017	011		001	001																152
220-229	004	017	024	021	026	017	005	003	002																	119
230-239	007	017	027	021	019	020	003		002																	116
240-249	008	014	024	020	027	023	015	001	002																	134
250-259	006	015	018	033	032	028	016	008	007																	163
260-269	003	015	039	030	026	035	027	010	007	002	002	001	002	002												201
270-279	001	021	035	037	046	049	033	014	005	005	002	001		003	002											254
280-289	004	029	035	050	063	056	043	030	016	005	006	002		002												343
290-299	001	022	046	053	069	074	068	044	030	020	012	003			002											444
300-309	006	023	036	051	070	105	081	061	046	043	021	016	017	004	001											581
310-319	004	026	035	057	073	089	096	076	056	057	046	033	007	007	005											667
320-329	003	025	047	063	060	075	076	091	079	064	030	023	005	001												642
330-339	007	018	029	055	070	060	055	061	058	038	013	003	001													468
340-349	006	019	037	039	062	058	046	052	024	021	009	003														376
350-359	008	013	047	037	030	034	018	021	009	009	002															228
	583		832		843		502		269		85		19		0		0		0		0		0			6199
	158		820		895		653		354		144		32		10		0		0		0		0			

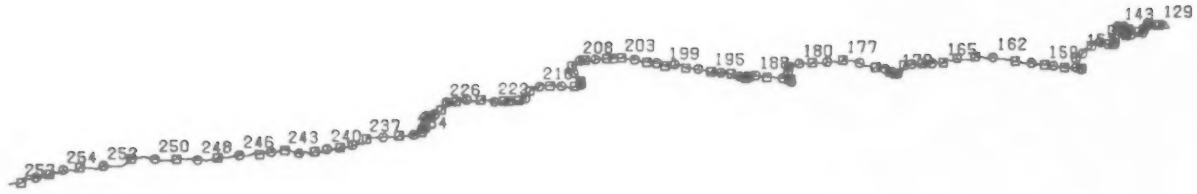
Number of zero rates: 0

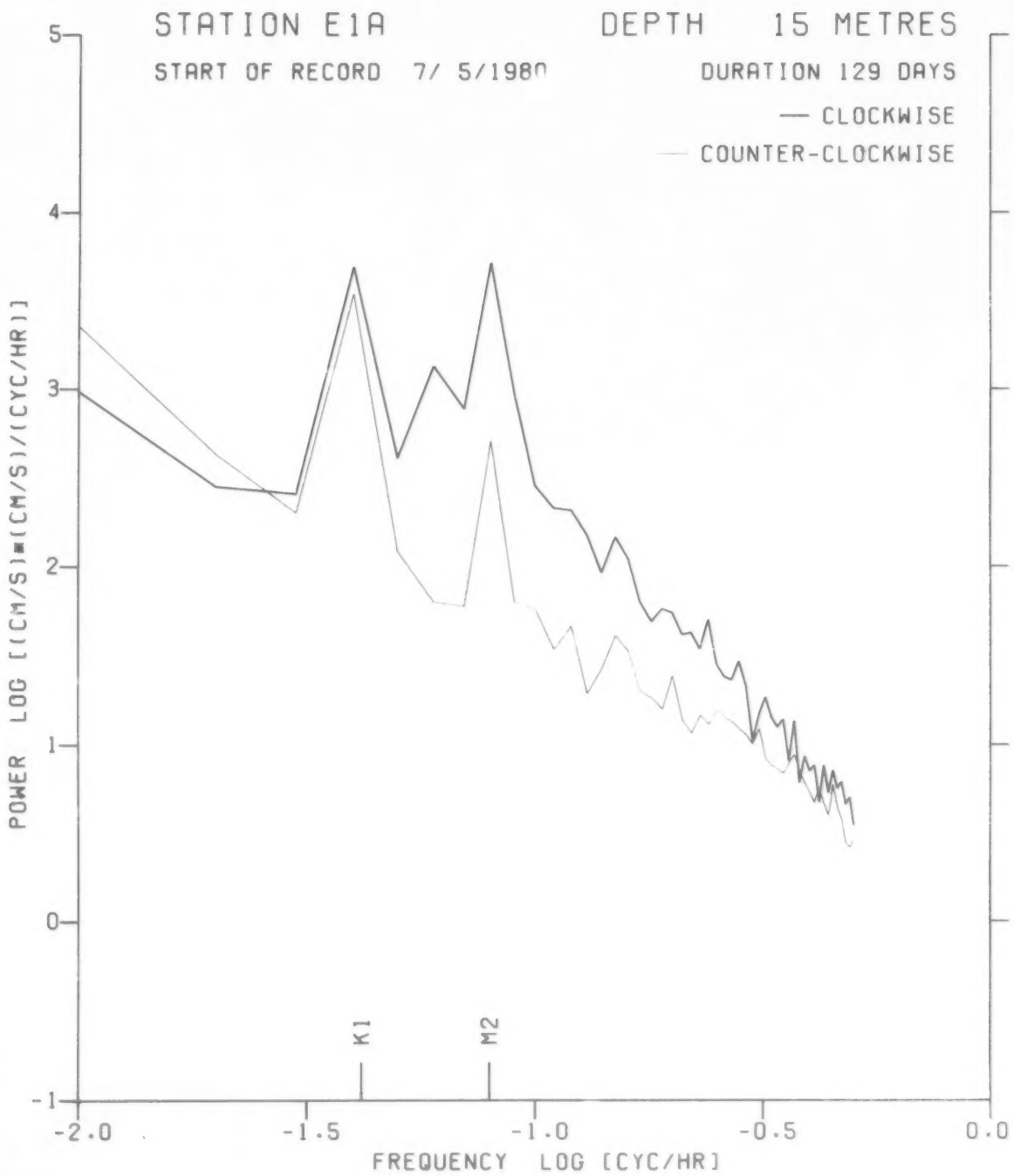
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

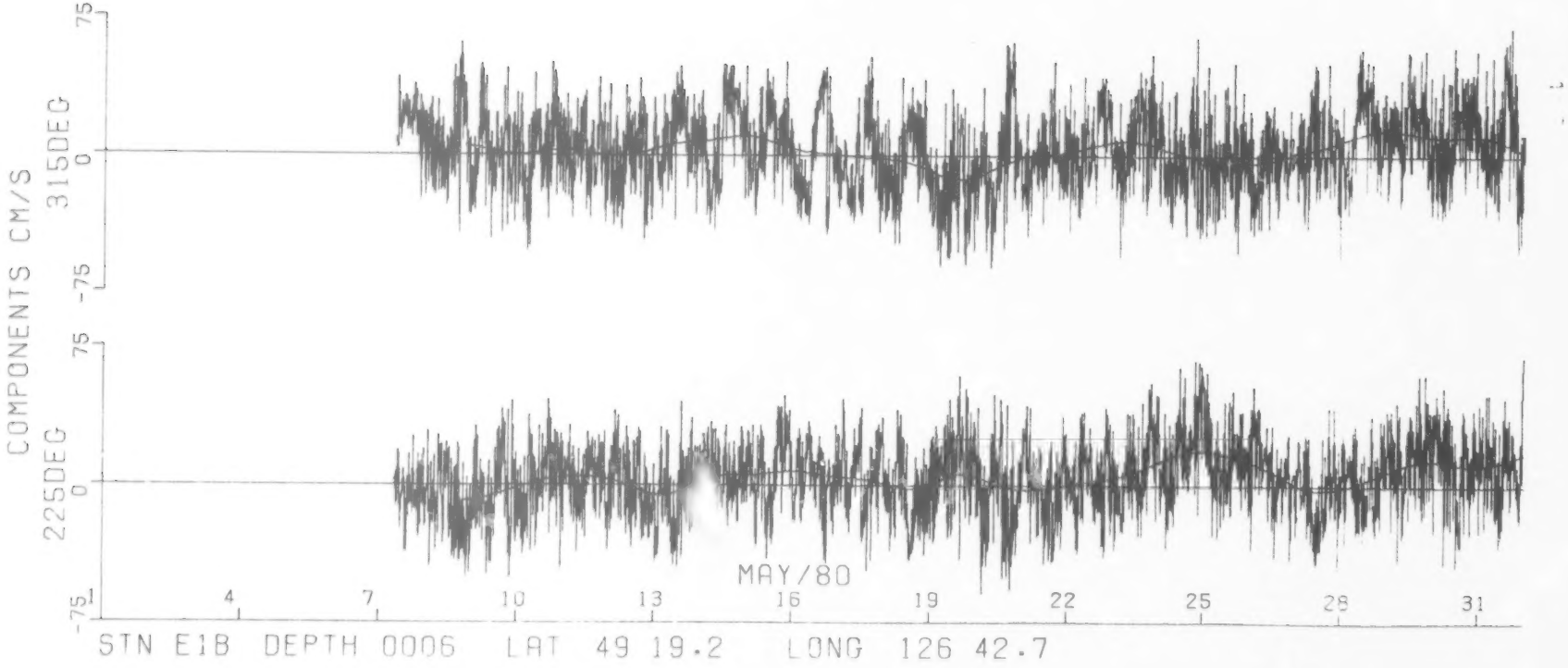
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

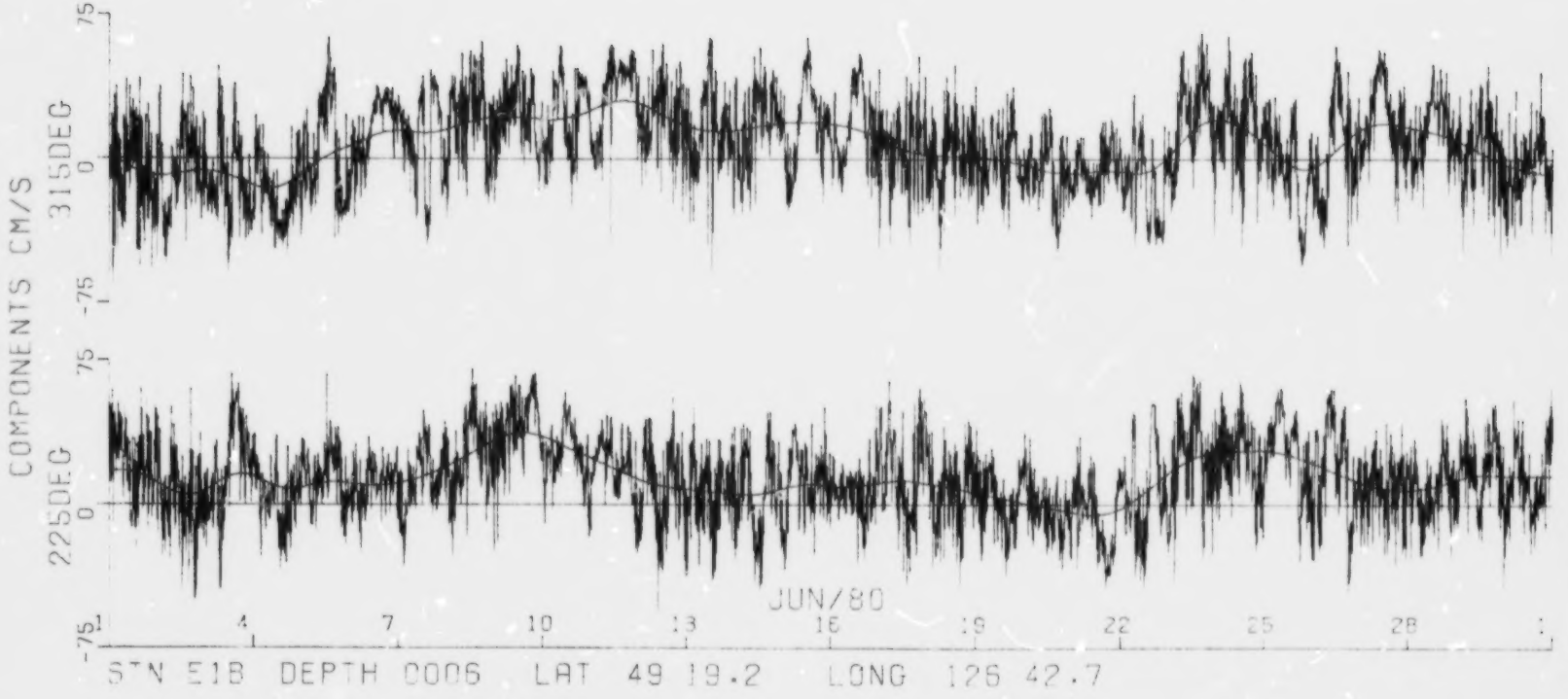
STN	DEPTH	AREA	DAY/YR	NO DAYS
E:A	0015M	8600	128/80	129

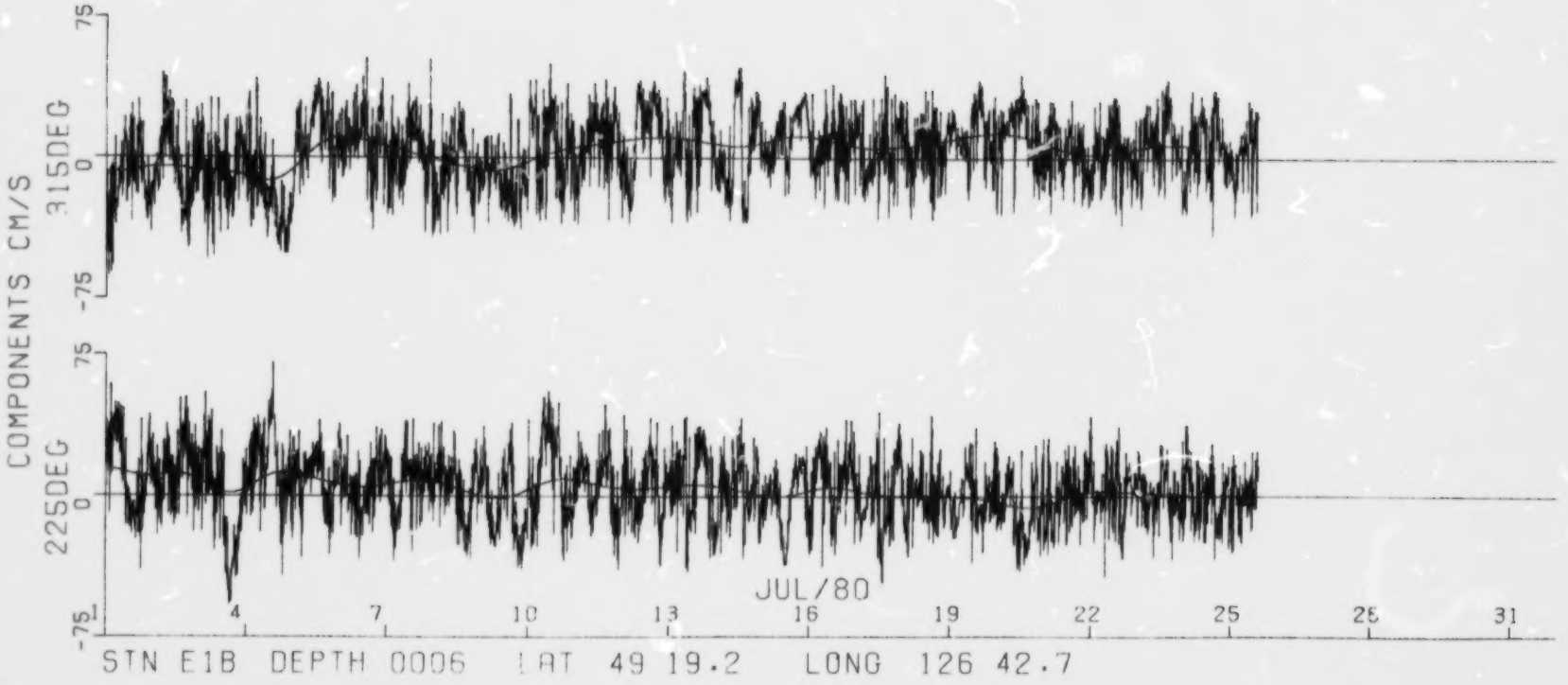
SCALE
100 KM




STATION E1A
DEPTH 15 METRES
START OF RECORD 7/ 5/1980
DURATION 129 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN E1B DEPTH 0006 LAT 49 19.2 LONG 126 42.7


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
STN 51B DEPTH 0006 LAT 49 19.2 LONG 126 42.7


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN E1B DEPTH 0006 LAT 49 19.2 LONG 126 42.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E1B Depth 0006 ESTEVAN POINT ROUGH 49 19.2 N 126 42.7 W Length of record= 79 Days
Start of record 15 mn 8 hr 7 dy 5 mo 80 yr PST Rate of obser.= 4 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	008	010	026	032	024	020	023	012	007	004	003	003	001													173
10- 19	003	016	014	015	021	028	014	010	010	007	001			001												140
20- 29	005	011	018	025	030	022	015	011	004	004	002	001														148
30- 39	004	008	019	013	016	025	013	007	007	002	001															115
40- 49	006	010	018	022	021	015	008	016	008	002																126
50- 59	004	007	016	017	027	022	016	004	006	004	001	001	001													126
60- 69	005	010	020	014	017	021	010	010	008	006	002	003														126
70- 79	005	013	023	021	014	013	017	009	008	007	001															131
80- 89	005	015	018	026	017	019	013	011	006	003	004															137
90- 99	004	014	011	023	022	018	015	008	006	001		001														123
100-109	003	013	016	018	015	011	015	013	008	007	003	001														123
110-119	005	008	019	022	020	018	012	011	010		001	001														127
120-129	009	010	016	024	022	010	021	016	008	004	008	002	002													152
130-139	002	007	012	028	029	026	019	012	012	011	007	001	001													167
140-149	003	018	022	019	026	018	023	017	021	008	002	002	002													181
150-159	007	010	021	022	032	015	025	015	018	011	002	005	003	001												187
160-169	005	011	025	028	030	030	021	018	011	016	004	001	001													201
170-179	006	014	017	019	035	028	027	020	020	012	002	006	001													207
180-189	004	008	026	030	037	033	030	025	019	016	013	004	007	001												243
190-199	004	007	019	033	030	023	021	020	025	022	007	003	003	001	001											219
200-209	011	017	022	023	039	045	030	022	020	010	007	006	002	004												258
210-219	006	020	022	021	032	028	025	030	020	013	008	005	001	001	001											233
220-229	001	014	018	030	031	038	035	035	023	016	023	006	003	002	001											276
230-239	006	022	031	022	027	028	030	022	022	017	014	012	007	007												267
240-249	007	021	029	026	036	031	036	039	029	018	023	006	009	005	003											318
250-259	007	017	022	031	027	043	037	020	030	020	019	008	008	006	003											298
260-269	005	021	021	045	039	042	041	032	027	026	017	010	011	009	003	002										351
270-279		013	038	028	037	044	047	036	040	033	019	014	005	010	001	001										366
280-289	003	013	018	035	034	045	061	051	032	025	021	012	011	005	003											369
290-299	009	012	030	036	038	040	044	037	033	032	022	008	008	002												351
300-309	005	020	029	033	047	030	040	030	029	021	009	007	005	001												306
310-319	005	015	026	032	026	035	031	026	022	027	006	012	002													265
320-329	003	013	020	025	040	038	035	026	019	013	010	002	001		001											246
330-339	001	010	022	023	029	028	026	022	018	006	006	003	001	002												197
340-349	003	014	026	017	024	030	025	014	011	010	001	005														180
350-359	006	007	020	027	020	030	017	022	010	009	006		001													175
	175	469	770	905	1011	990	908	729	607	443	275	151	97	58	17	3	0	0	0	0	0	0	0	0	0	7608

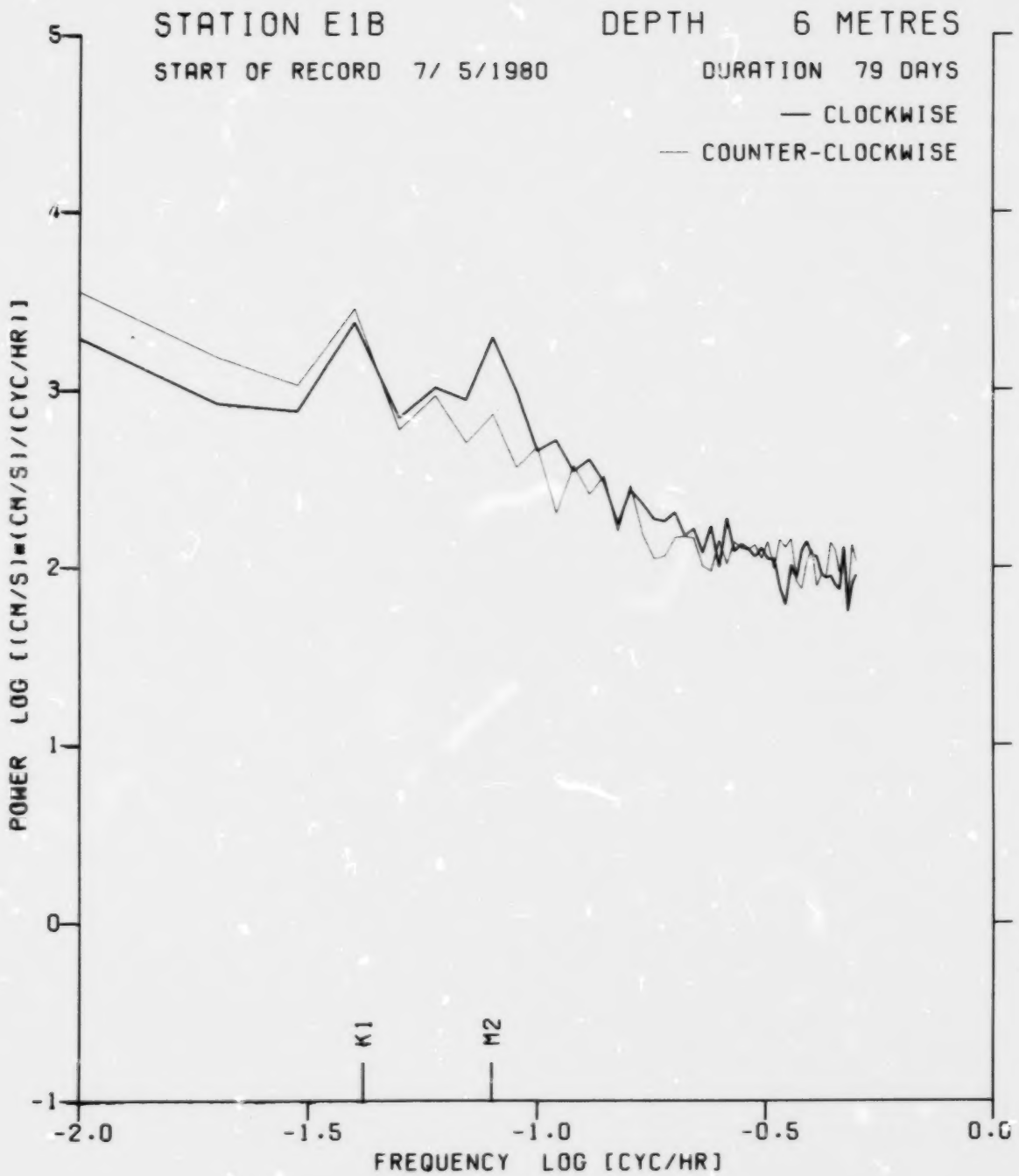
Number of zero rates: 1

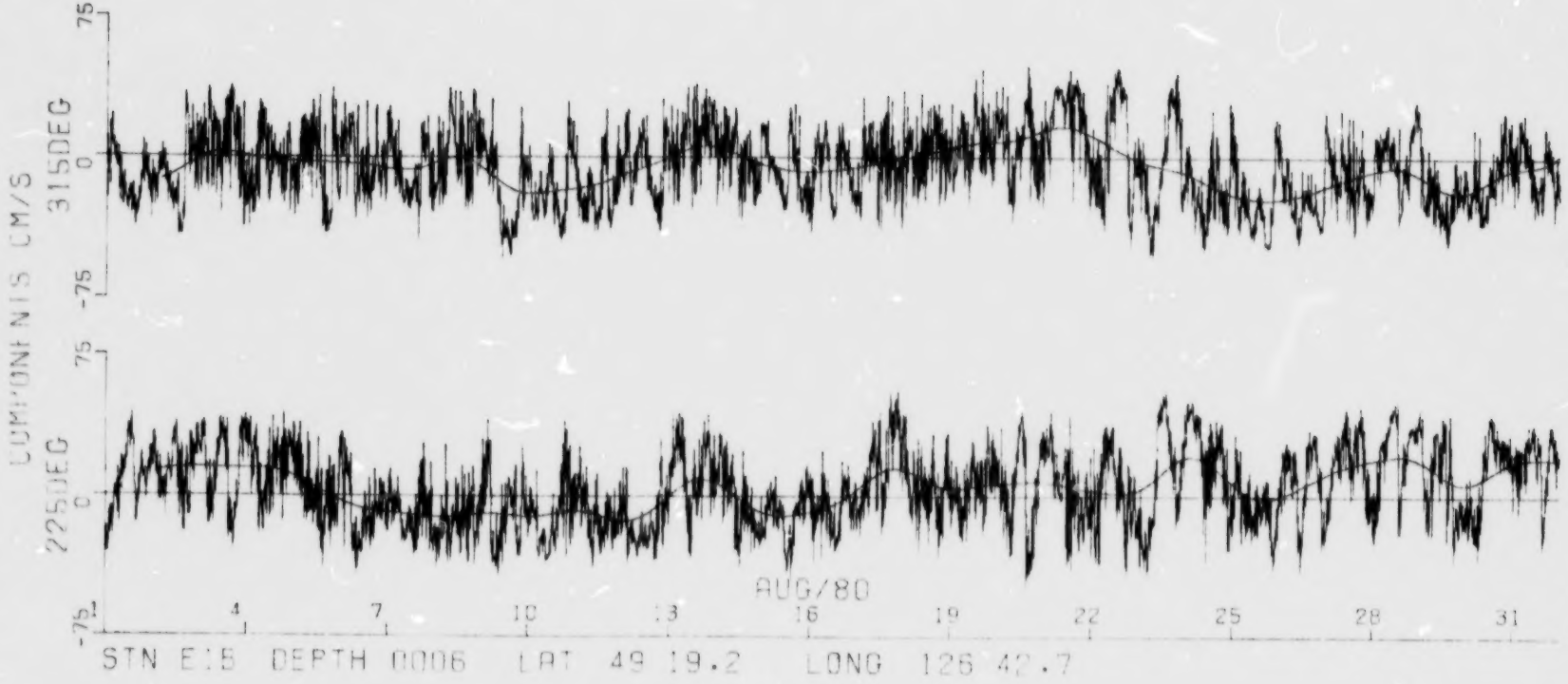
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

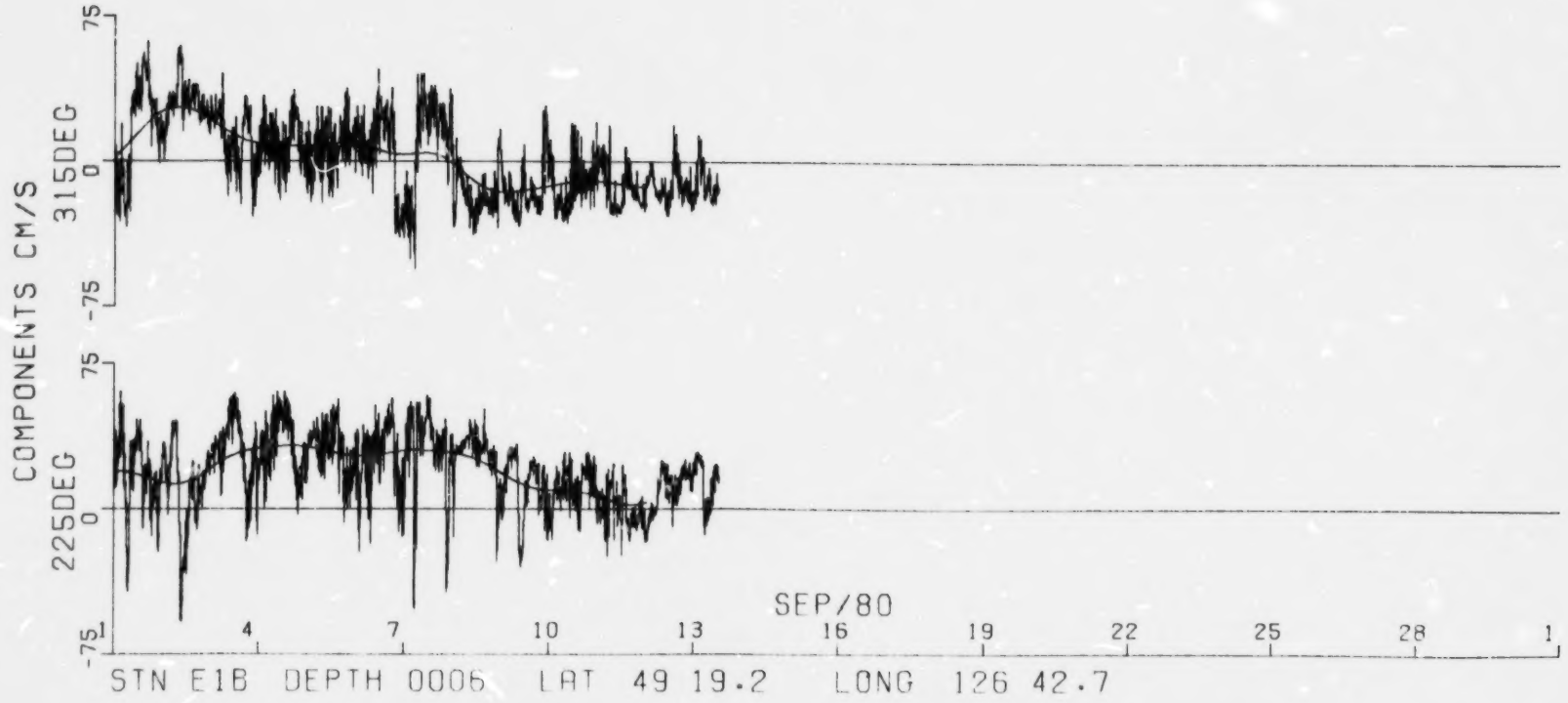
[illegible] NUMBERED DAYS
EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
[illegible]	[illegible]	[illegible]	[illegible]	79

SCALE
100 KM


STATION E1B
DEPTH 6 METRES
START OF RECORD 7/ 5/1980
DURATION 79 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


LUMPONTNIS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
4
7
10
13
16
19
22
25
28
31
STN E15 DEPTH 0006 LAT 49 19.2 LONG 126 42.7


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
4
7
10
13
16
19
22
25
28
1
STN E1B DEPTH 0006 LAT 49 19.2 LONG 126 42.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E1B Depth 0006 ESTEVAN POINT ROUGH 49 19.2 N 126 42.7 W Length of record= 44 Days
Start of record 45 mn 15 hr 31 dy 7 mo 80 yr PST Rate of obser.= 4 per Hour

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
CMS/SEC																										
0- 9		005	011	006	016	009	005	005	001	002		001														61
10- 19	001	002	006	012	008	006	010	002	003				001													51
20- 29	002	004	009	004	007	013	010	006	004	001	002															62
30- 39	001	003	005	015	013	010	009	001	001				001													59
40- 49	005	006	006	009	015	011	005	003	004		001															65
50- 59	003	010	005	008	016	014	015	004	003		001															79
60- 69	001	005	013	010	014	015	012	009	002																	81
70- 79	001	005	014	015	013	015	016	012	004	003																98
80- 89	002	003	012	013	014	022	017	014	006	001																104
90- 99	003	009	009	011	015	029	029	008	003	003																119
100-109	002	004	013	021	022	027	028	018	005	003	001															144
110-119	002	007	011	018	026	022	022	011	007	004	002															132
120-129	002	010	011	016	019	029	024	014	015	006	004															150
130-139	001	006	007	020	020	020	019	015	014	004																126
140-149	002	010	015	007	021	021	022	011	008	008	003															128
150-159	001	005	007	013	032	030	026	016	007	003	002	001														143
160-169	001	005	009	014	026	036	024	018	011	002																146
170-179	004	004	005	013	026	036	029	026	016	008	002															159
180-189	004	006	013	012	020	030	025	038	019	013	002	002														184
190-199	004	011	010	010	019	040	021	039	020	014	008	003														199
200-209	001	004	010	012	019	029	028	026	024	016	006	002	003													180
210-219		007	007	014	012	026	032	020	023	010	008	004	001													164
220-229	002	006	011	016	020	028	023	025	031	015	011	008														198
230-239	003	008	007	014	014	019	032	018	016	007	013	011														162
240-249	003	005	017	009	020	013	026	027	015	014	008	007	002													166
250-259		005	003	008	015	017	020	018	023	012	019	004	001													145
260-269	001	006	012	019	013	016	018	021	025	013	018	006	001													169
270-279	001	004	005	010	023	010	022	018	025	009	002	002														131
280-289	001	006	012	010	012	014	020	014	011	004	005	003	001													113
290-299	001	005	010	009	011	015	013	016	012	002	001		001													96
300-309	004	002	007	007	011	010	007	018	002	006	001	002	002													79
310-319		003	007	006	014	008	020	011	003																	72
320-329	001	004	006	008	003	011	002	012	003	001	003	002														62
330-339	001	005	003	009	010	012	005	009	003	001	001	001														60
340-349	003	007	006	009	011	006	004	008		005																59
350-359	001	007	013	009	011	011	011	001	001	001																66
	65	206	327	406	587	680	651	532	370	191	124	59	14	0	0	0	0	0	0	0	0	0	0	0	0	4212

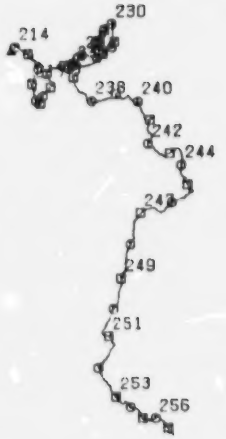
Number of zero rates: 0

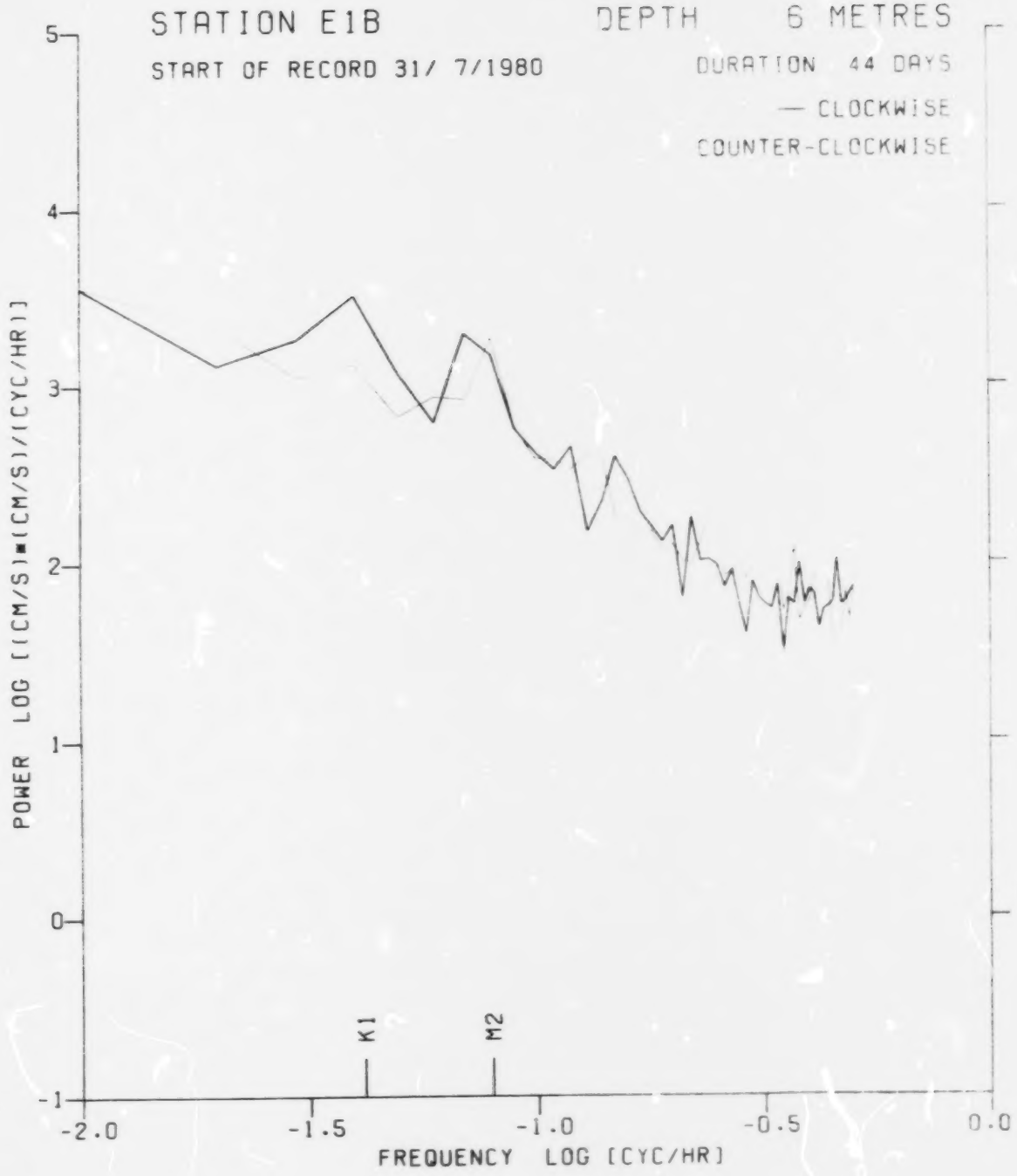
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

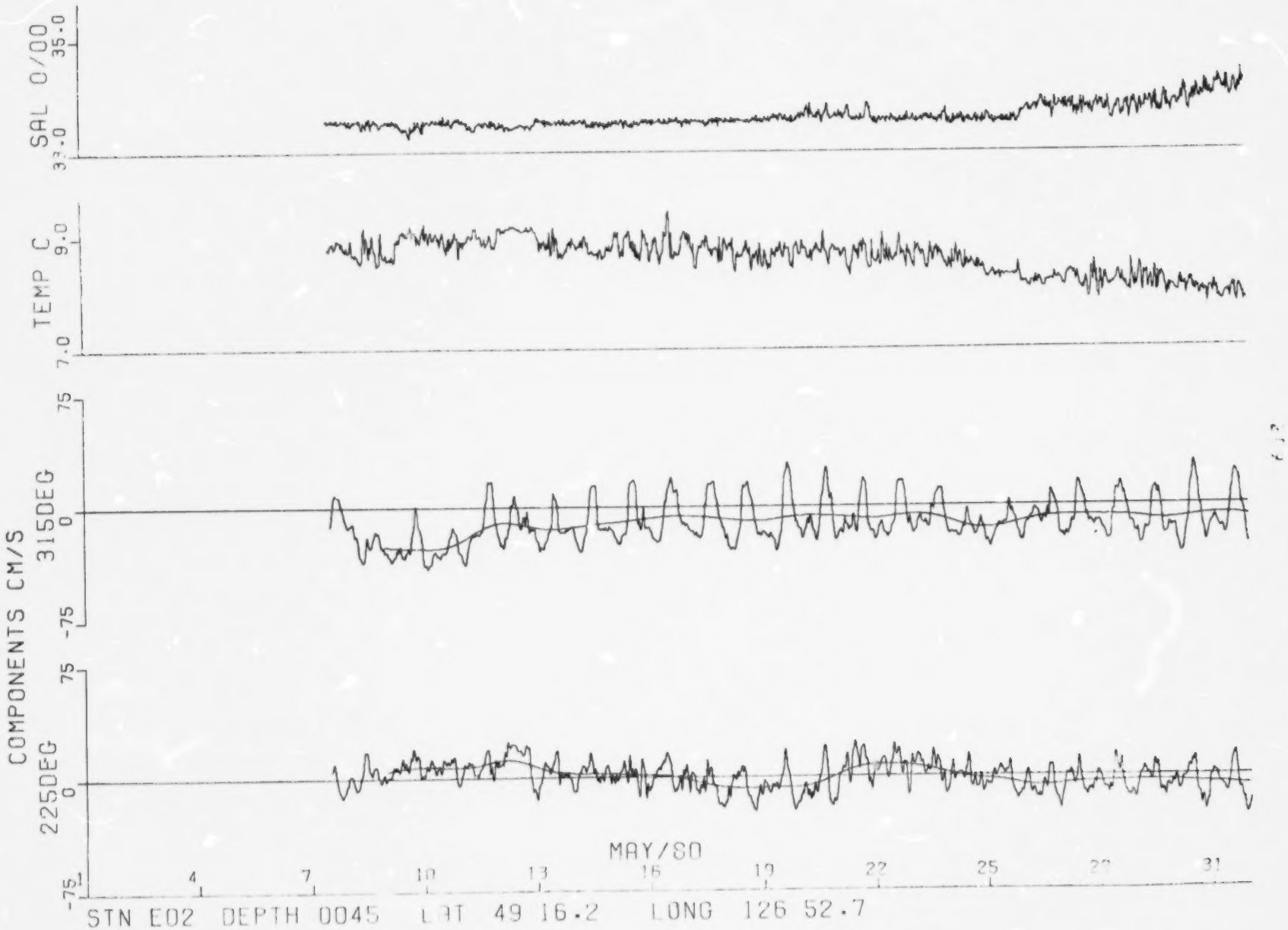
□ODD NUMBERED DAYS
●EVEN NUMBERED DAYS

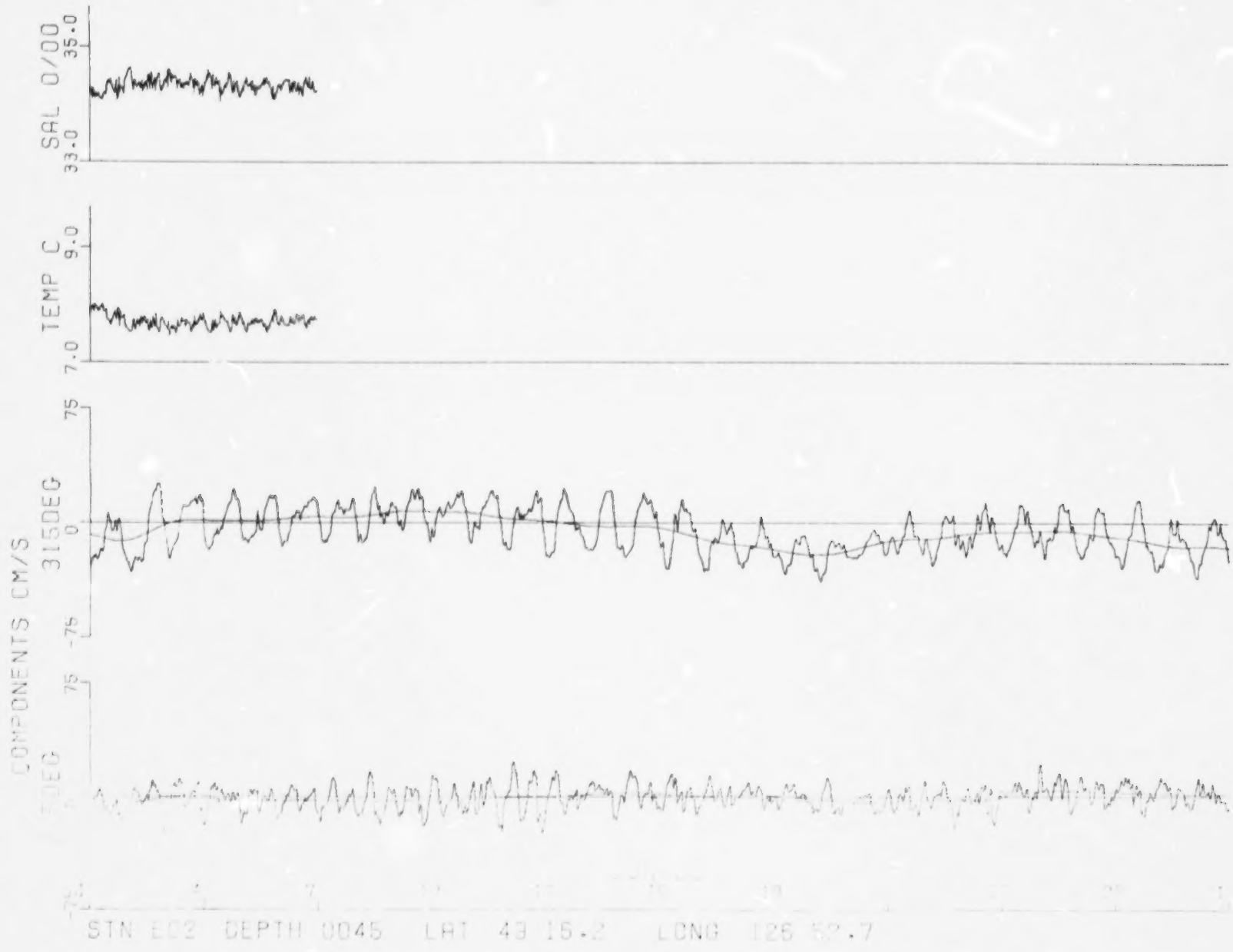
STN	DEPTH	AREA	DAY/YR	NO DAYS
E1B	0006M	8600	213/80	44

SCALE
100 KM




STATION E1B
DEPTH 6 METRES
START OF RECORD 31/ 7/1980
DURATION 44 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0045 LAT 49 16.2 LONG 126 52.7


SAL 0/00
35.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
45DEG
75
STN EC2 DEPTH 0045 LAT 43 15.2 LONG 125 52.7

STN E02 DEPTH 0045 LAT 49 16.2 LONG 126 52.7
JUL/80
4
7
11
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
7.0
9.0
SAL 0/00
33.0
35.0

STN E02 DEPTH 0045 LAT 49 16.2 LONG 126 52.7
AUG/80
4
7
12
13
18
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
.75
0
-.75
TEMP C
7.0
9.0
SAL 0/00
33.0
35.0

COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
9.0
7.0
33.0
35.0
SEP/80
4
7
10
13
16
19
22
25
1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E02 Depth 0045 ESTEVAN POINT 49 16.2 N 126 52.7 W Length of record=131 Days
Start of record 30 mn 12 hr 7 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	019	057	025	008	001																				112
10- 19	002	019	042	027	004	001																				95
20- 29	005	022	054	018	009																					108
30- 39	007	030	058	032	003	001																				128
40- 49	005	022	031	030	010																					98
50- 59	003	012	056	031	014	002	001																			119
60- 69	002	021	041	027	013	006																				110
70- 79	005	031	064	037	019	007	003																			166
80- 89	005	019	046	047	020	007	002																			146
90- 99	003	033	057	058	025	009	004	001																		190
100-109	006	030	069	082	045	009	003	001																		245
110-119	001	028	094	101	081	028	009																			342
120-129	002	032	115	098	087	029	009	004																		376
130-139	011	047	137	153	115	069	019	001	001																	553
140-149	004	047	146	144	099	063	060	022	003																	588
150-159	008	027	087	092	065	040	035	011	002																	367
160-169	003	029	066	058	049	013	008	001	003																	230
170-179	002	031	046	046	026	005	002																			158
180-189	003	019	033	034	010	002	001																			102
190-199	005	019	027	022	012	004																				89
200-209		021	027	011	006																					65
210-219		019	018	014	006	001																				58
220-229	004	020	027	011	004																					66
230-239	003	031	048	014	002																					98
240-249	003	040	036	018	004																					101
250-259	004	035	065	015	007																					126
260-269	007	034	063	024	005																					133
270-279	006	037	059	028	006																					136
280-289	002	034	061	029	009																					135
290-299	005	029	065	039	019																					157
300-309	002	029	069	052	019	002																				173
310-319	005	033	072	047	015	002																				174
320-329	002	039	063	038	005	003																				150
330-339	001	027	069	045	007	003																				152
340-349	005	024	063	026	016	001																				135
350-359	001	022	043	032	003	002																				103
	1011		1605		310		41		0		0		0		0		0		0		0		0		0	6276
	134		2158		852		156		9		0		0		0		0		0		0		0		0	

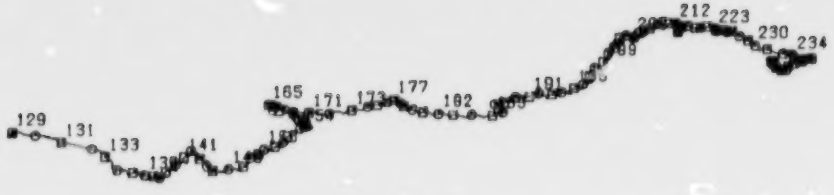
Number of zero rates: 0

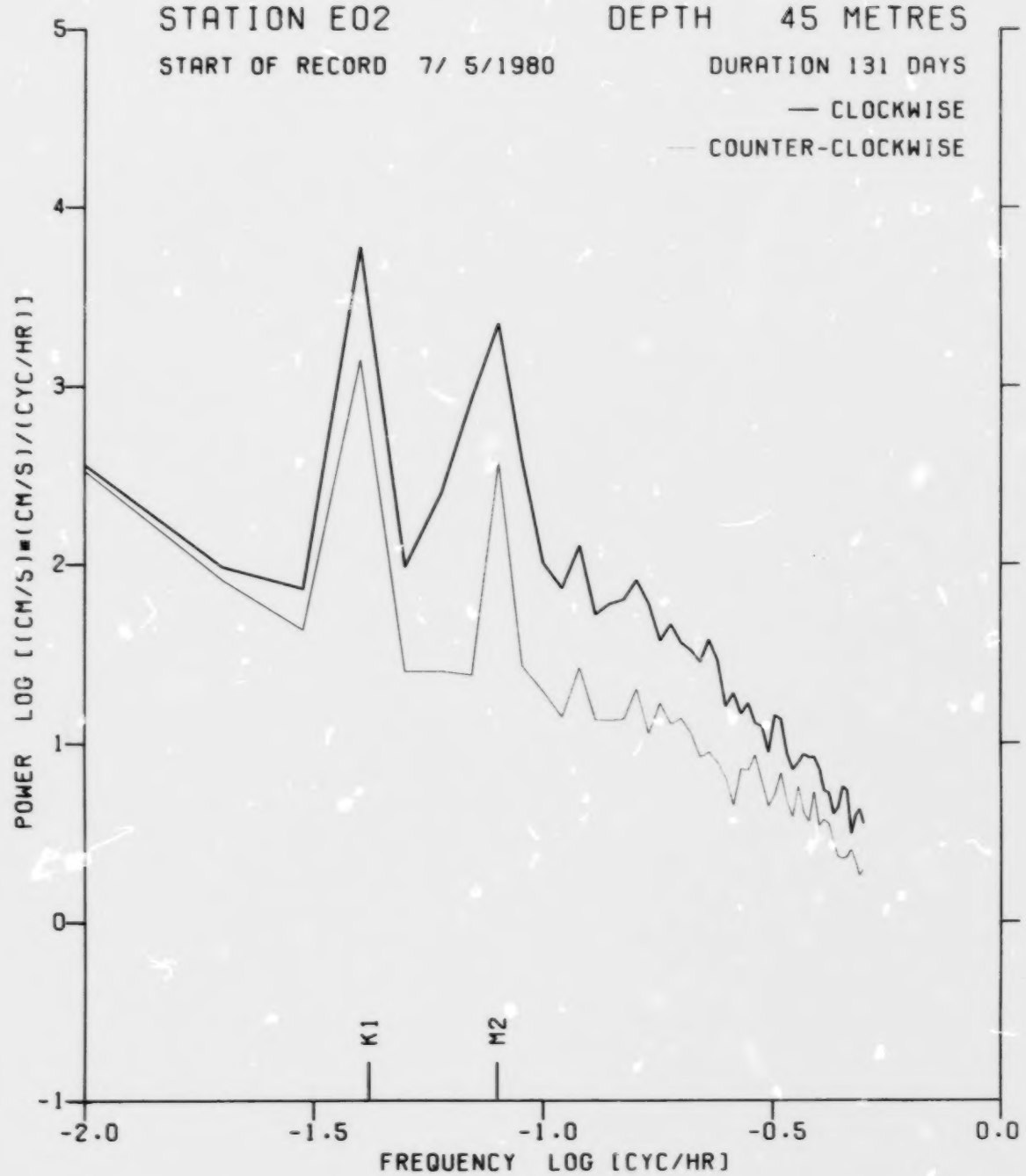
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

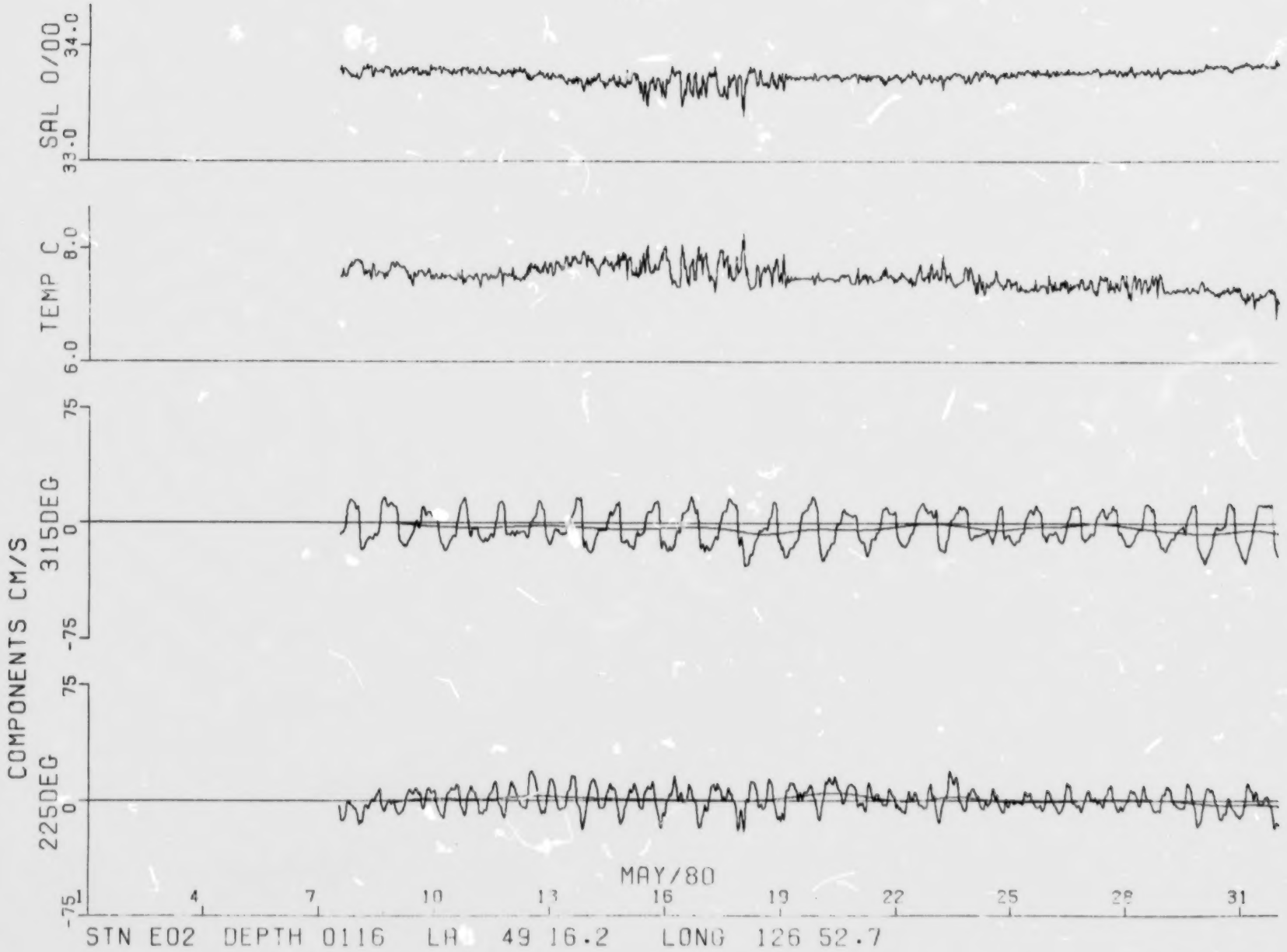
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

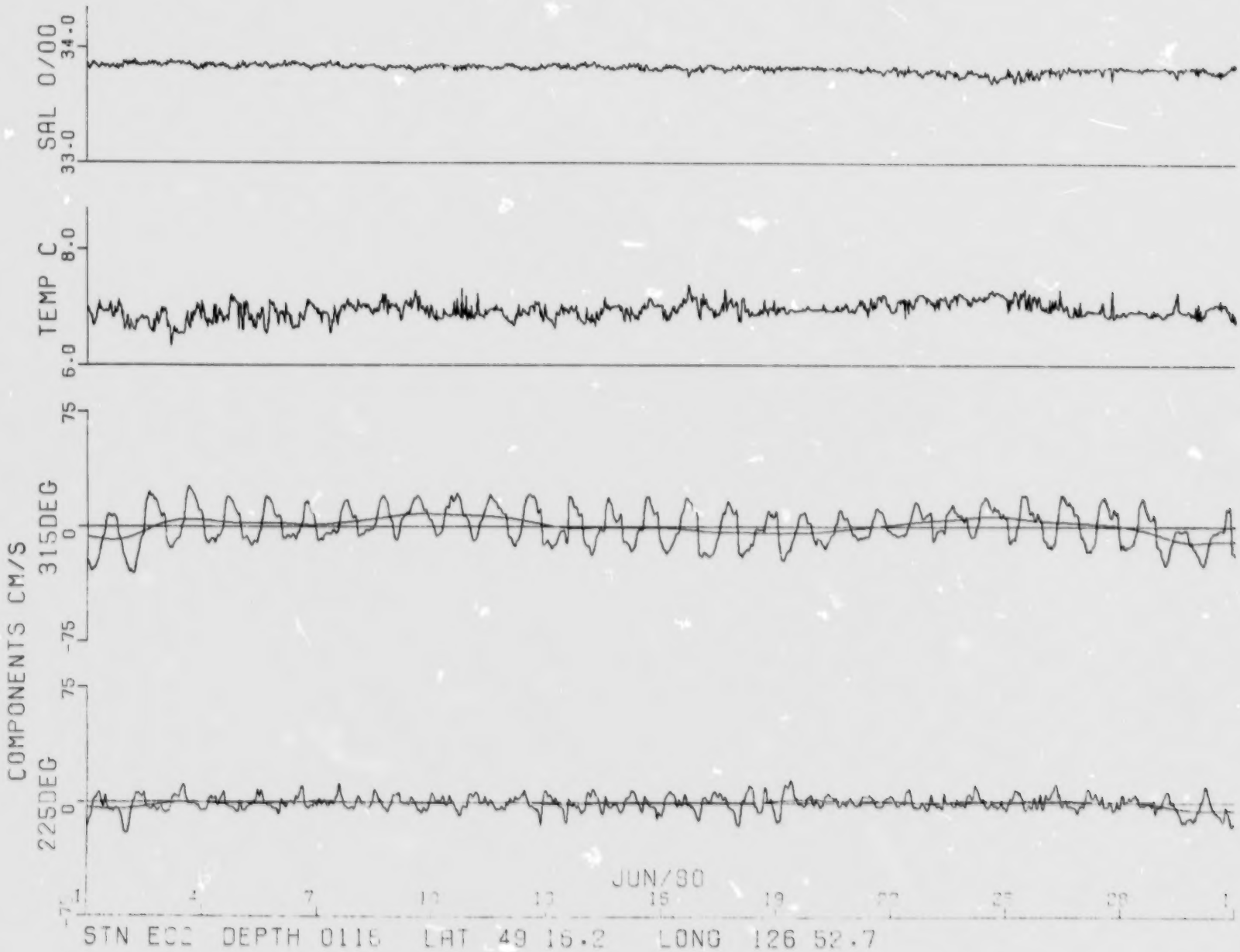
STN	DEPTH	AREA	DAY/YR	NO DAYS
E02	0045M	A600	128/80	131

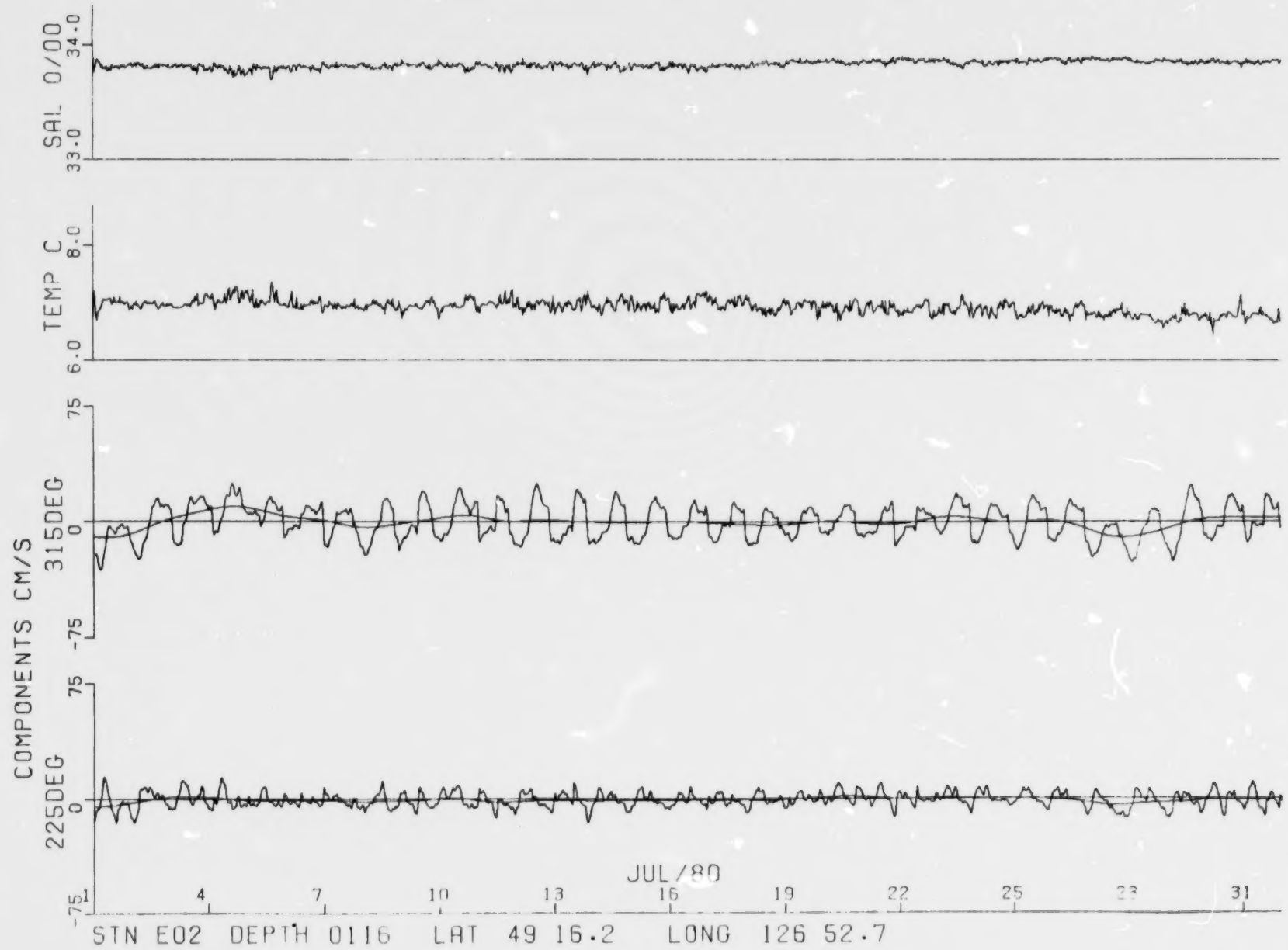
SCALE ⊢—+—+—⊣
100 KM

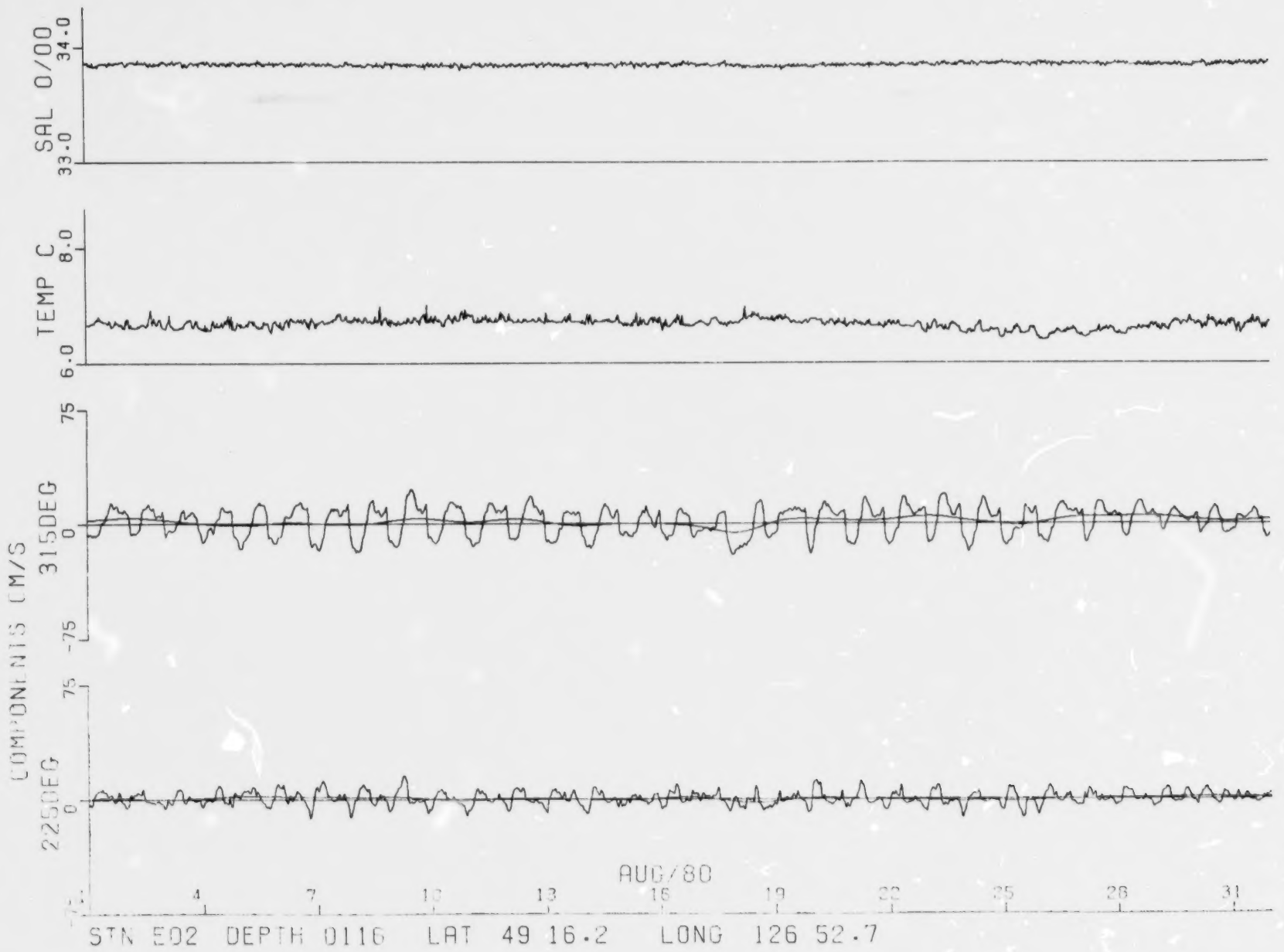


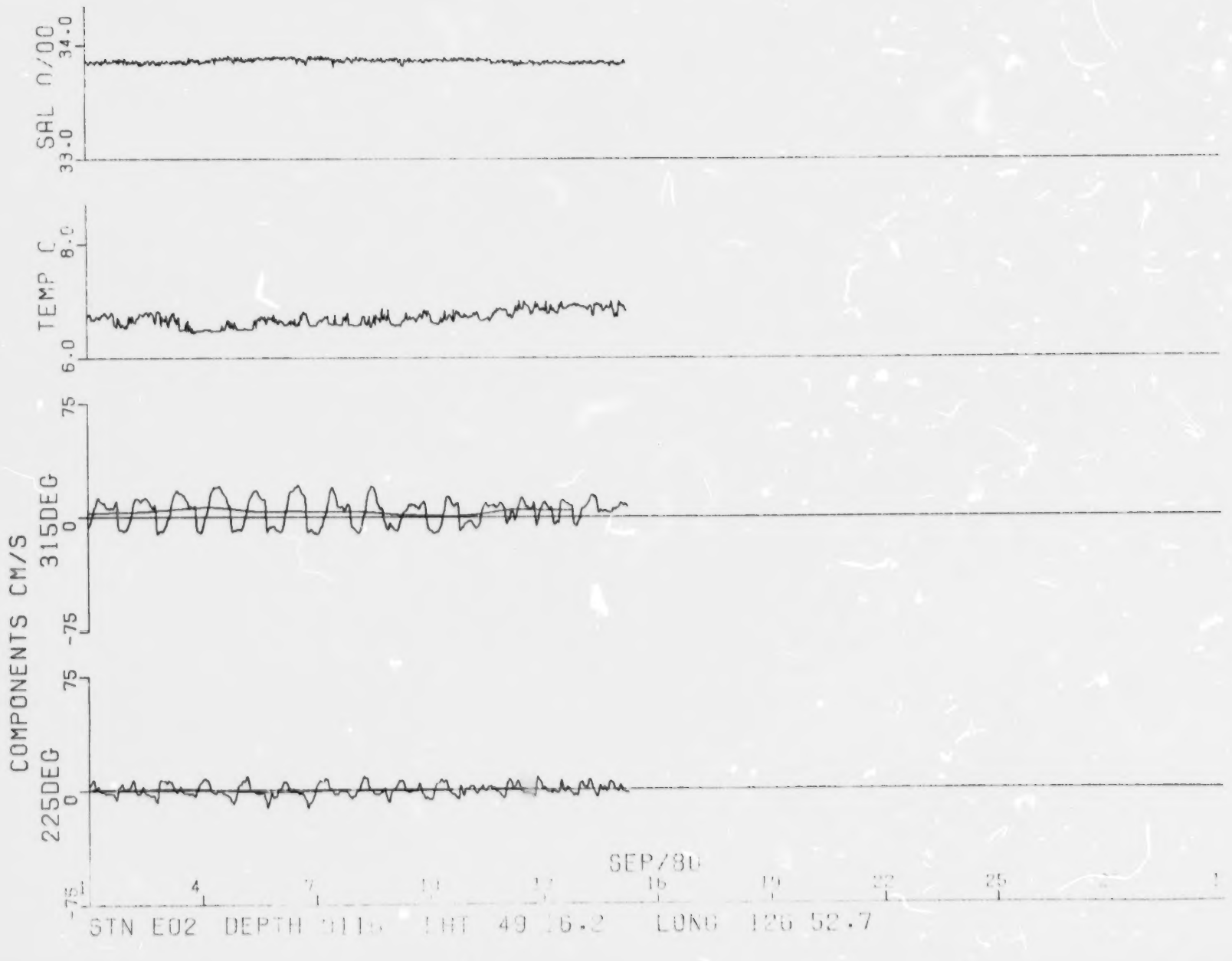

STATION E02
DEPTH 45 METRES
START OF RECORD 7/ 5/1980
DURATION 131 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.0
33.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0116 LAT 49 16.2 LONG 126 52.7


SAL O/OO
34.0
33.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
STN ECC DEPTH 0116 LAT 49 16.2 LONG 126 52.7


SAL 0/00
34.0
33.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0116 LAT 49 16.2 LONG 126 52.7


SAL O/OO
34.0
33.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
AUG/80
4
7
10
13
16
19
22
25
28
31
STN E02 DEPTH 0116 LAT 49 16.2 LONG 126 52.7


SAL 0/00
34.0
33.0
TEMP C
8.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
4
7
16
25
STN E02 DEPTH
LONG 126 52.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E02 Depth 0116 ESTEVAN POINT 49 16.2 N 126 52.7 W Length of record=131 Days
Start of record 30 mn 12 hr 7 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	021	008																							31
10- 19		025	005	001																						31
20- 29		005	009	004																						18
30- 39		006	003	003																						12
40- 49		002	001																							3
50- 59		007	019																							26
60- 69	001	030	022	004	002																					59
70- 79	016	054	024	006	001																					101
80- 89	025	036	011	006	007																					85
90- 99	029	071	068	050	030	004	004																			256
100-109	035	090	067	027	026	003	002																			250
110-119	022	073	060	037	021	005	001																			219
120-129	020	088	081	020	013	008																				230
130-139	029	104	088	037	016	009	005																			288
140-149	020	099	087	050	026	011	001																			294
150-159	024	103	122	054	017	001	001																			322
160-169	025	137	150	056	021	002																				391
170-179	025	087	065	034	007																					218
180-189	019	057	018	011	001																					106
190-199	011	024	010	006																						51
200-209	012	042	006	003																						63
210-219	015	046	008																							69
220-229	009	053	008	007																						77
230-239	014	041	021	004																						80
240-249	013	041	019	004																						77
250-259	016	040	013	003																						72
260-269	011	026	031	001																						69
270-279	020	025	009	005																						59
280-289	013	054	021	011																						99
290-299	022	068	039	020	003																					152
300-309	023	104	090	045	003																					265
310-319	030	149	141	103	029	003																				455
320-329	041	304	292	188	043	001																				869
330-339	041	235	168	029	003																					476
340-349	015	186	102	016																						319
350-359	002	035	039	008																						84
	2568		853		47		0		0		0		0		0		0		0		0		0		0	6276
	600	1925		269		14		0		0		0		0		0		0		0		0		0		

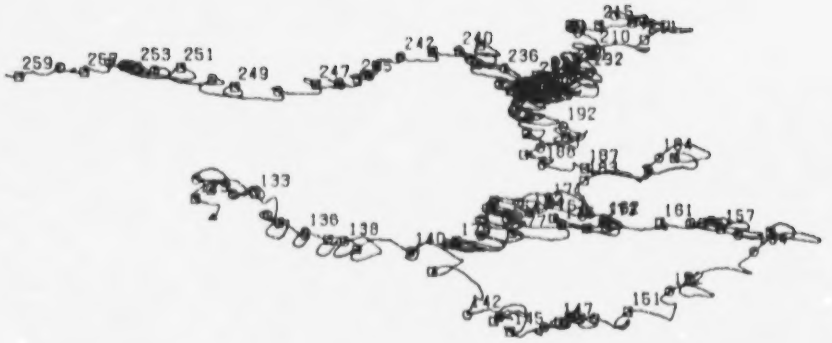
Number of zero rates: 0

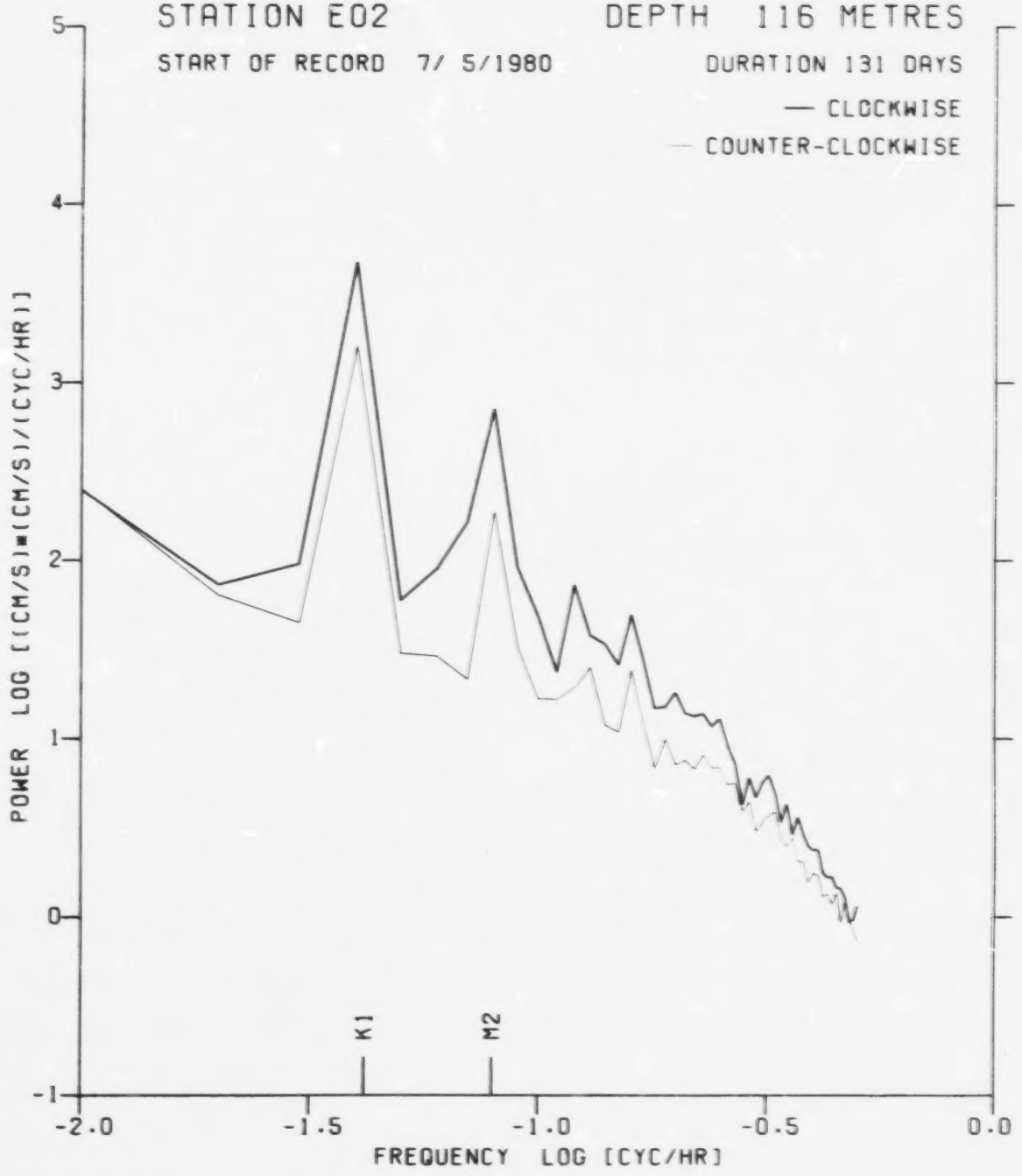
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

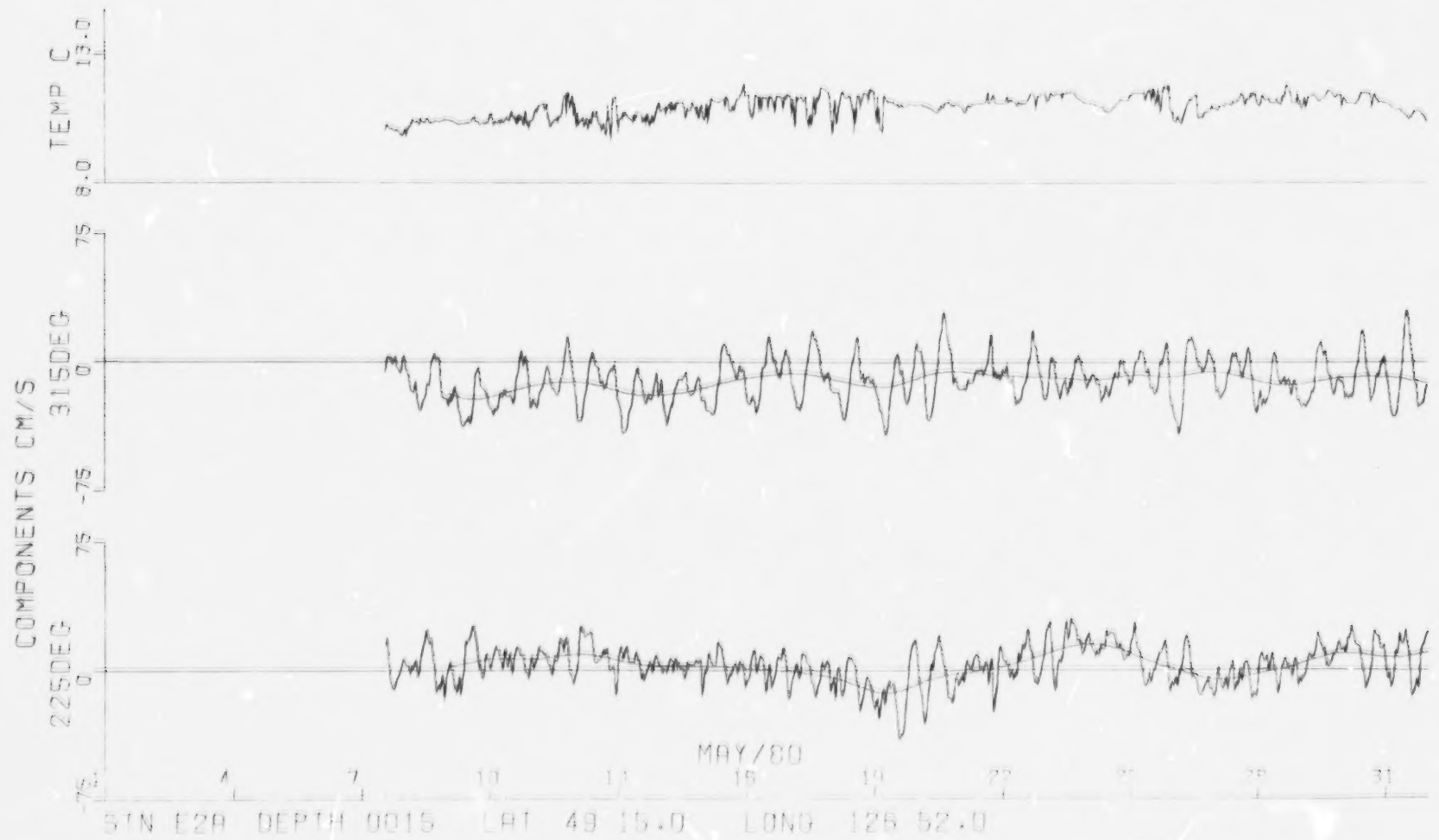
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

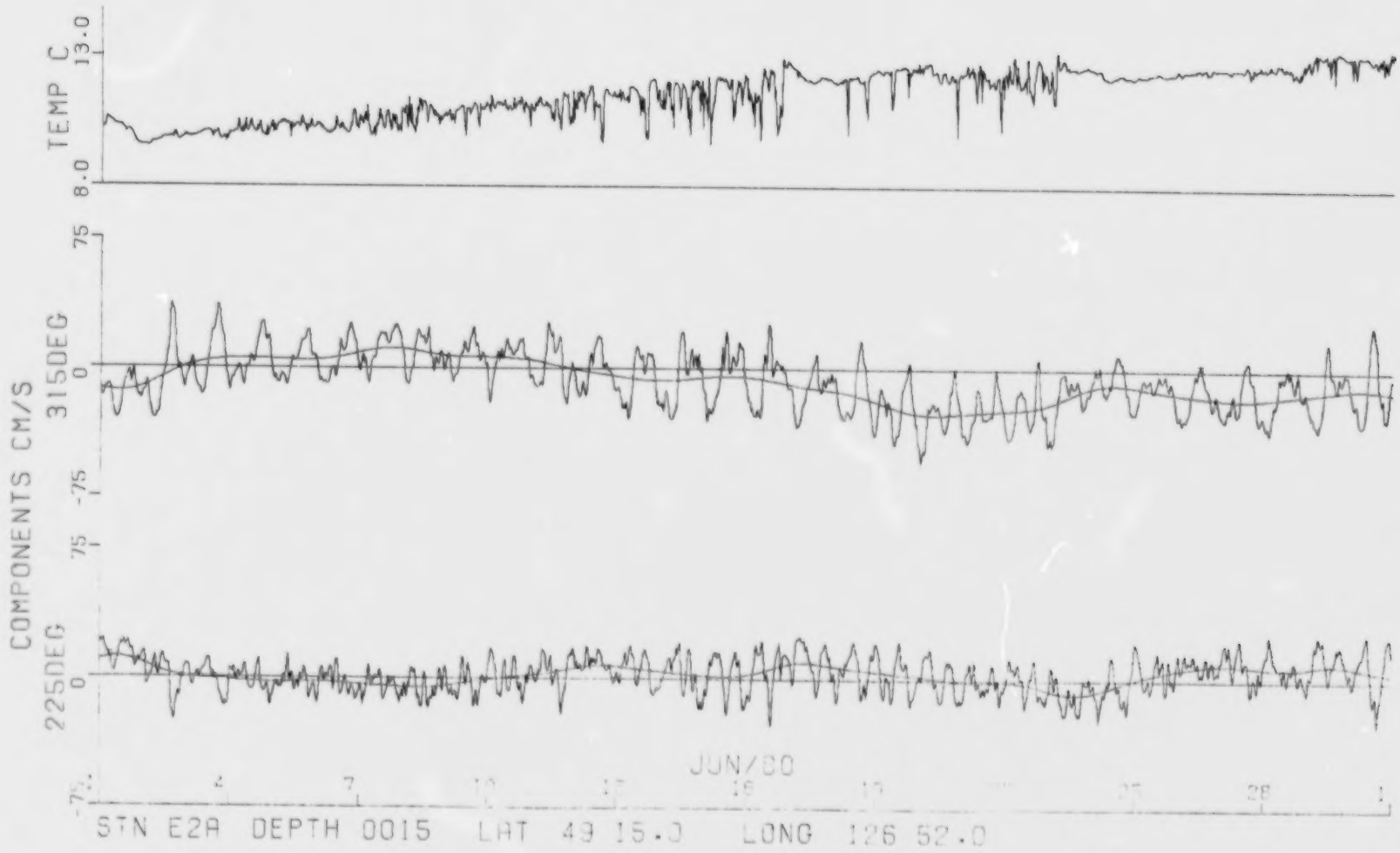
STN	DEPTH	AREA	DAY/YR	NO DAYS
E02	0116M	8500	128/80	131

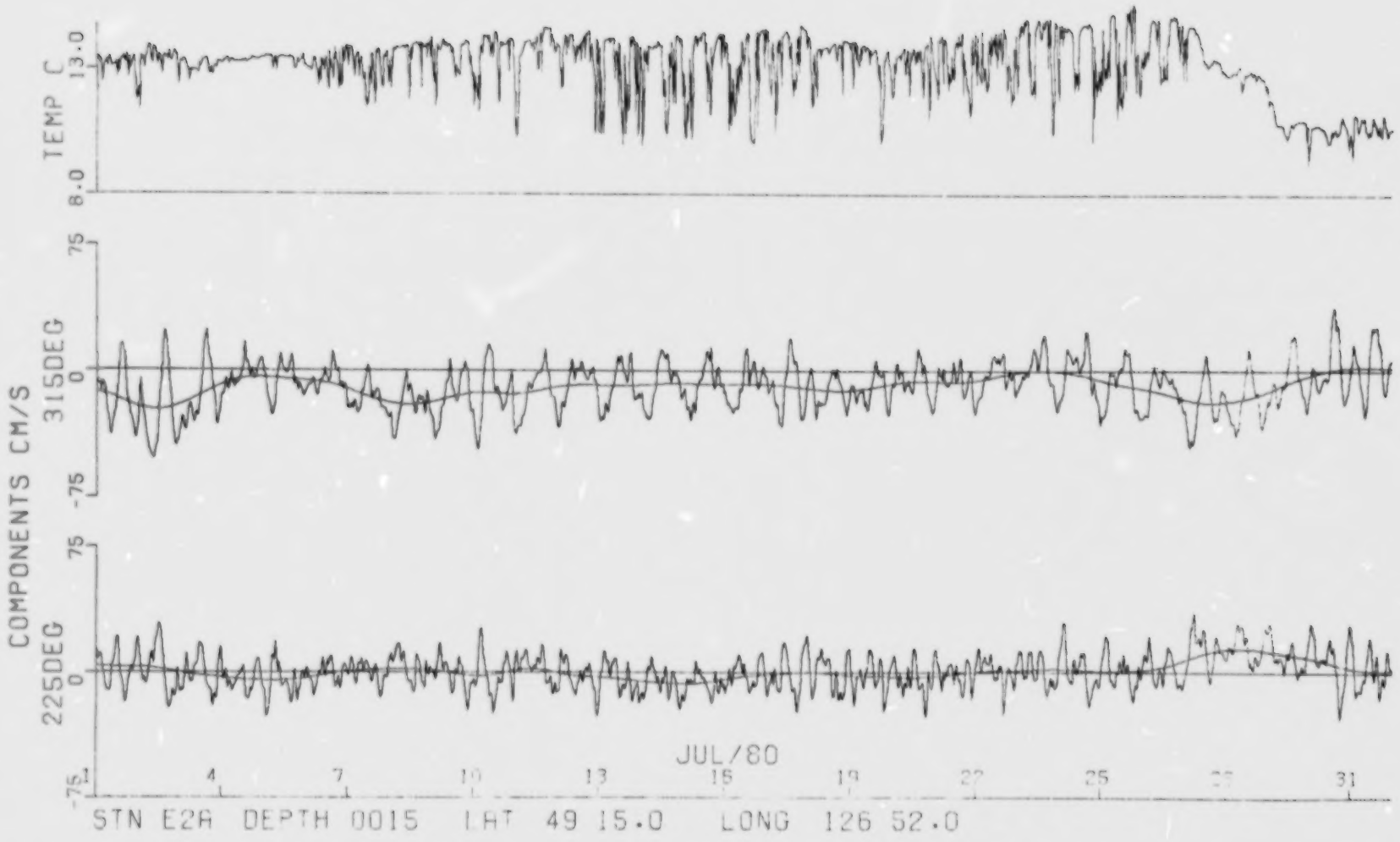
SCALE 25 KM

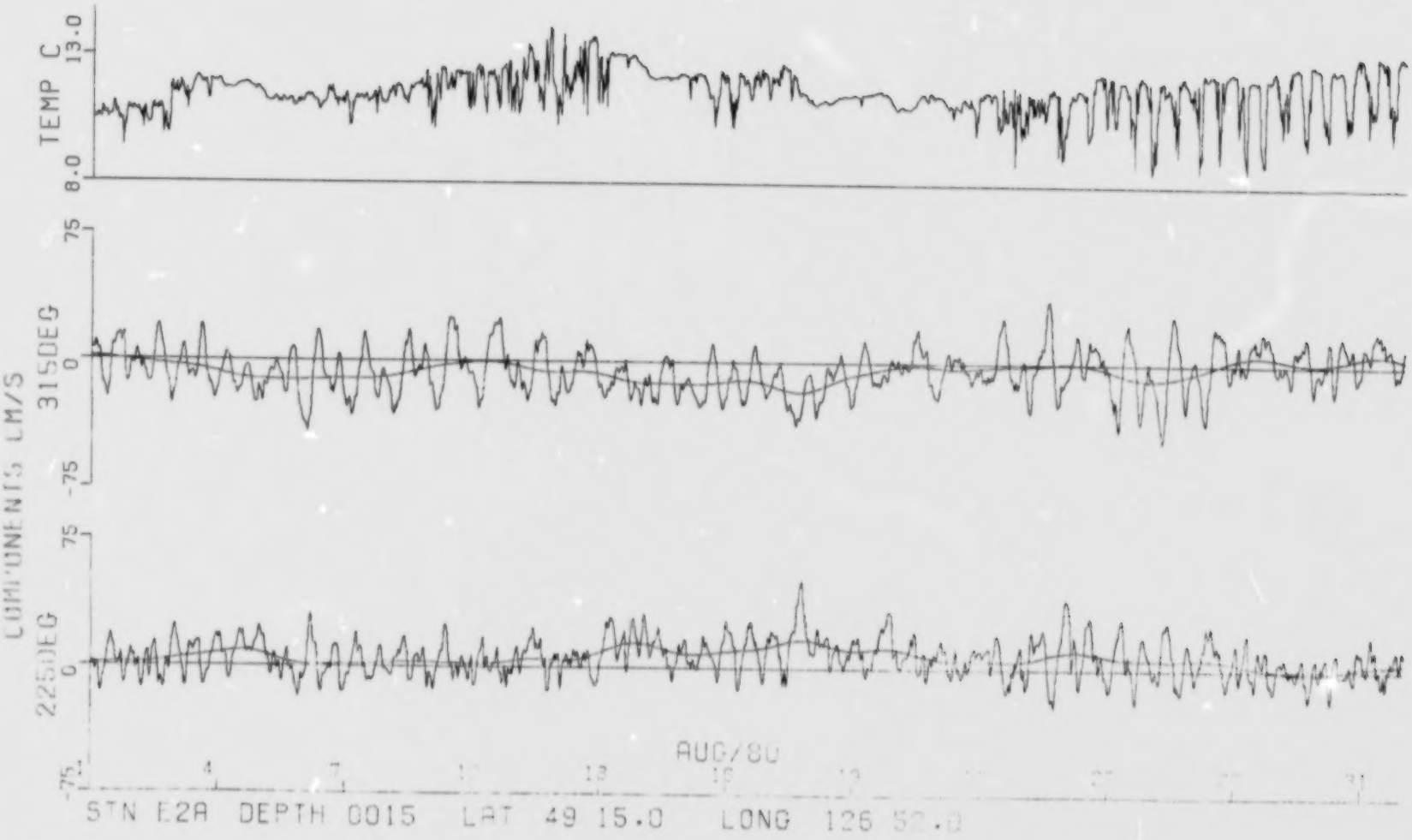


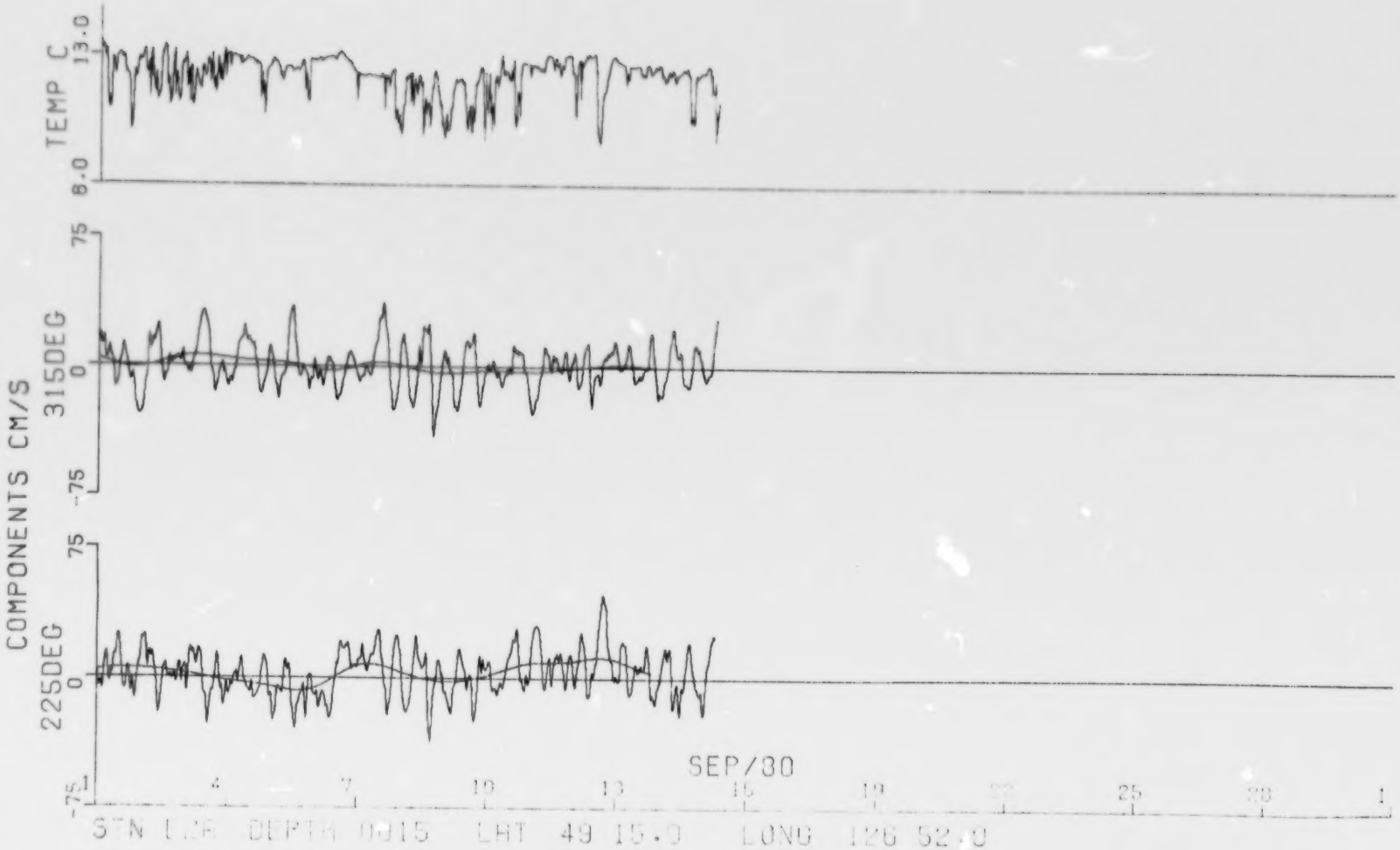

STATION E02
DEPTH 116 METRES
START OF RECORD 7/ 5/1980
DURATION 131 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E2A DEPTH 0015 LAT 49 15.0 LONG 126 52.0


TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
JUN/80
STN E2A DEPTH 0015 LAT 49 15.0 LONG 126 52.0


TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E2A DEPTH 0015 LAT 49 15.0 LONG 126 52.0


TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
4
7
STN E2A DEPTH 0015 LAT 49 15.0 LONG 126 52.0


TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
1
4
7
10
13
16
19
25
28
1
STN E2A DEPTH 0015 LAT 49 15.0 LONG 126 52.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E2A Depth 0015 ESTEVAN POINT E2A 49 15.0 N 126 52.0 W Length of record=131 Days
Start of record 30 mn 13 hr 7 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	022	026	018	014		001																			83
10- 19	005	024	035	012	006	002	001																			85
20- 29	004	028	027	020	003	003	001																			86
30- 39	005	034	026	020	006	002	001	001																		95
40- 49	007	029	025	013	007	002	001	001	001																	86
50- 59	006	032	037	025	007	004	001	002	001																	115
60- 69	009	028	034	018	015	003		002																		109
70- 79	011	035	026	019	019	005	002																			117
80- 89	011	030	038	029	017	007	001	001		001																135
90- 99	006	031	039	033	027	008		003																		147
100-109	010	028	052	040	034	023	006	001	001	001																196
110-119	004	037	039	047	053	038	023	015	006	001																263
120-129	009	044	047	056	065	053	022	016	009	002																323
130-139	008	043	058	047	078	068	026	013	013	006	003															363
140-149	012	045	059	056	061	091	028	018	015	005	005															395
150-159	015	040	063	052	095	071	055	021	009	005																426
160-169	009	050	057	056	059	056	030	023	013	004	002															359
170-179	006	037	069	055	042	054	027	016	013	001	001															321
180-189	015	045	045	056	047	045	024	006		001	002															286
190-199	008	057	055	054	042	033	018	001			001	002														271
200-209	013	058	053	043	040	017	014	002		001		001														242
210-219	014	042	047	030	020	009	004	002	003																	171
220-229	015	037	052	030	018	009	005	001																		167
230-239	010	017	027	024	012	009	001	001	003	003																107
240-249	007	029	041	020	022	007	002																			128
250-259	010	026	020	024	013	005	001																			99
260-269	004	021	027	030	010	006	001																			99
270-279	007	017	022	026	011	008	001	004																		96
280-289	005	012	032	028	025	006	003	001																		112
290-299	004	021	018	017	018	008	005	004																		95
300-309	010	033	025	018	021	015	001	002																		125
310-319	005	017	027	025	023	008	002	004																		111
320-329	011	029	028	026	016	008	003	001																		122
330-339	007	032	035	025	013	010	001	002																		125
340-349	009	031	029	026	016	004	001	002																		118
350-359	012	030	025	015	012	001	001	001																		97
	1171		1133		698		167		31		3		0		0		0		0		0		0		0	6275
	305	1365		987		314		87		14		0		0		0		0		0		0		0		

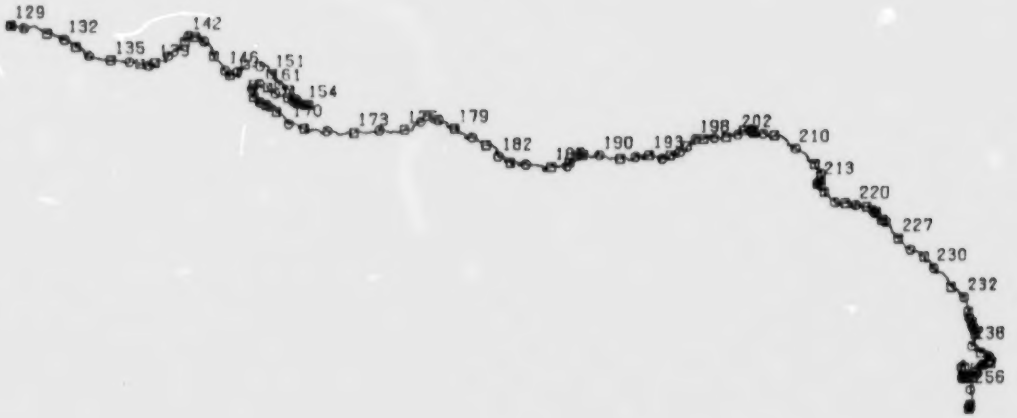
Number of zero rates: 0

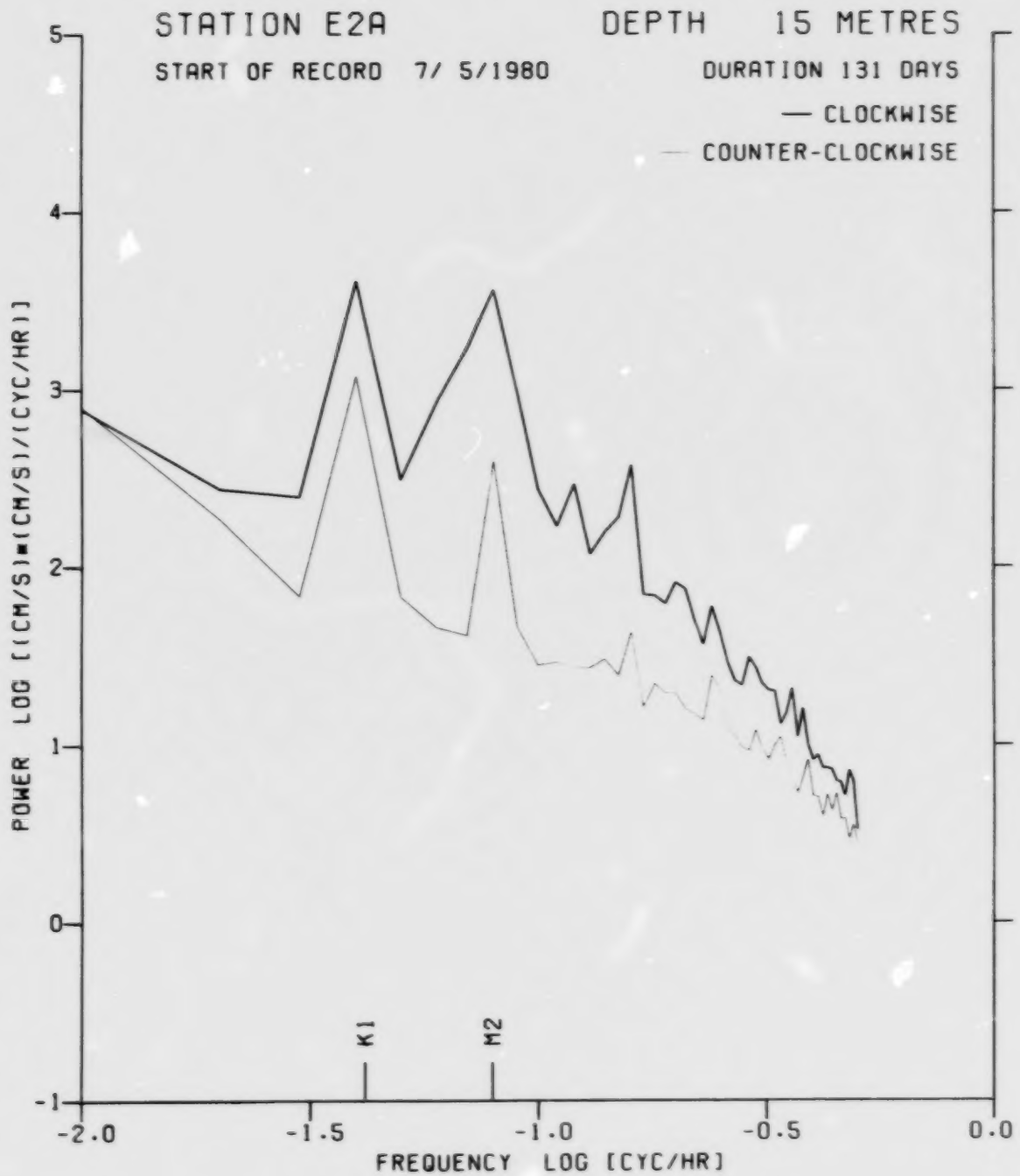
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

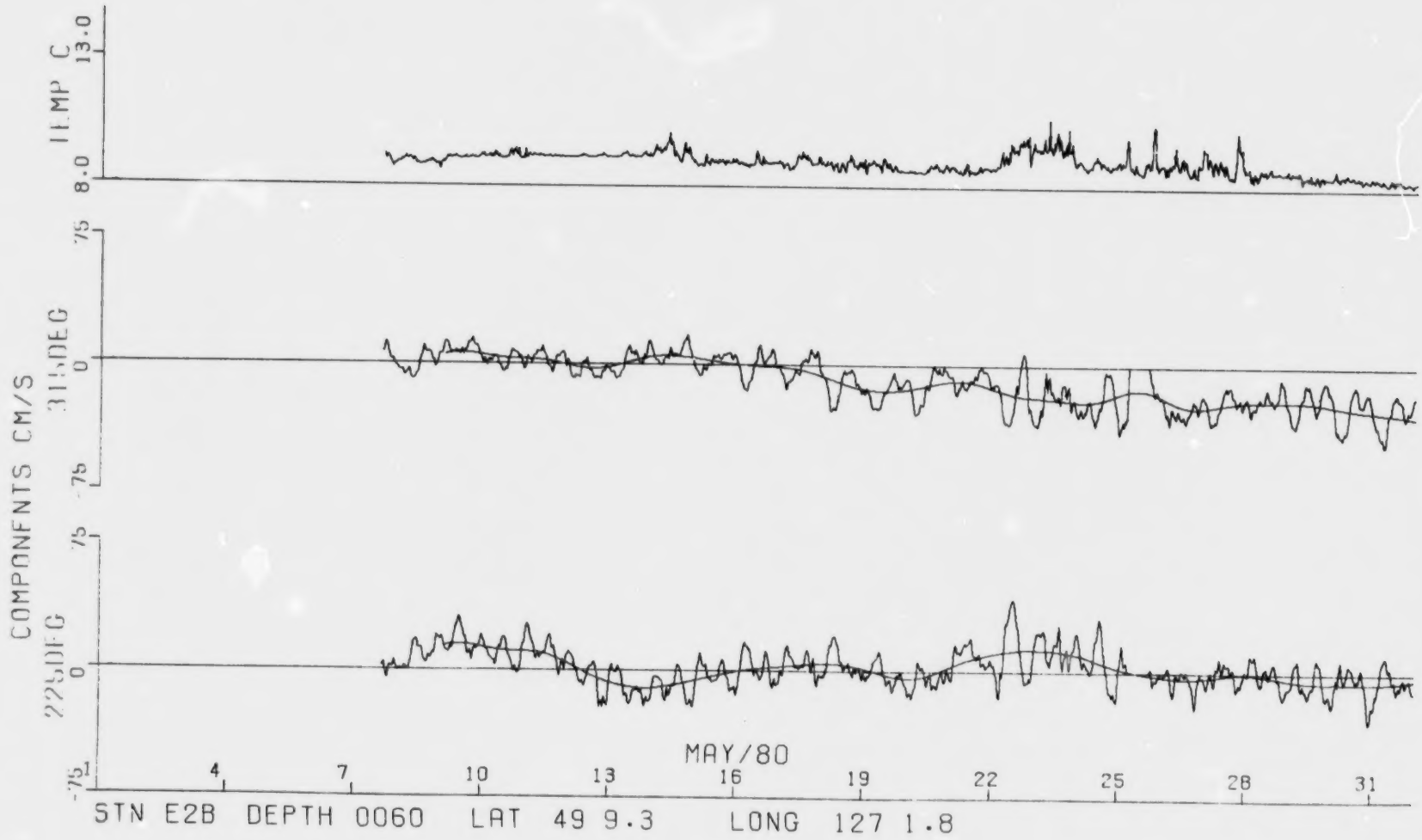
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E2A	0015M	8600	128/80	131

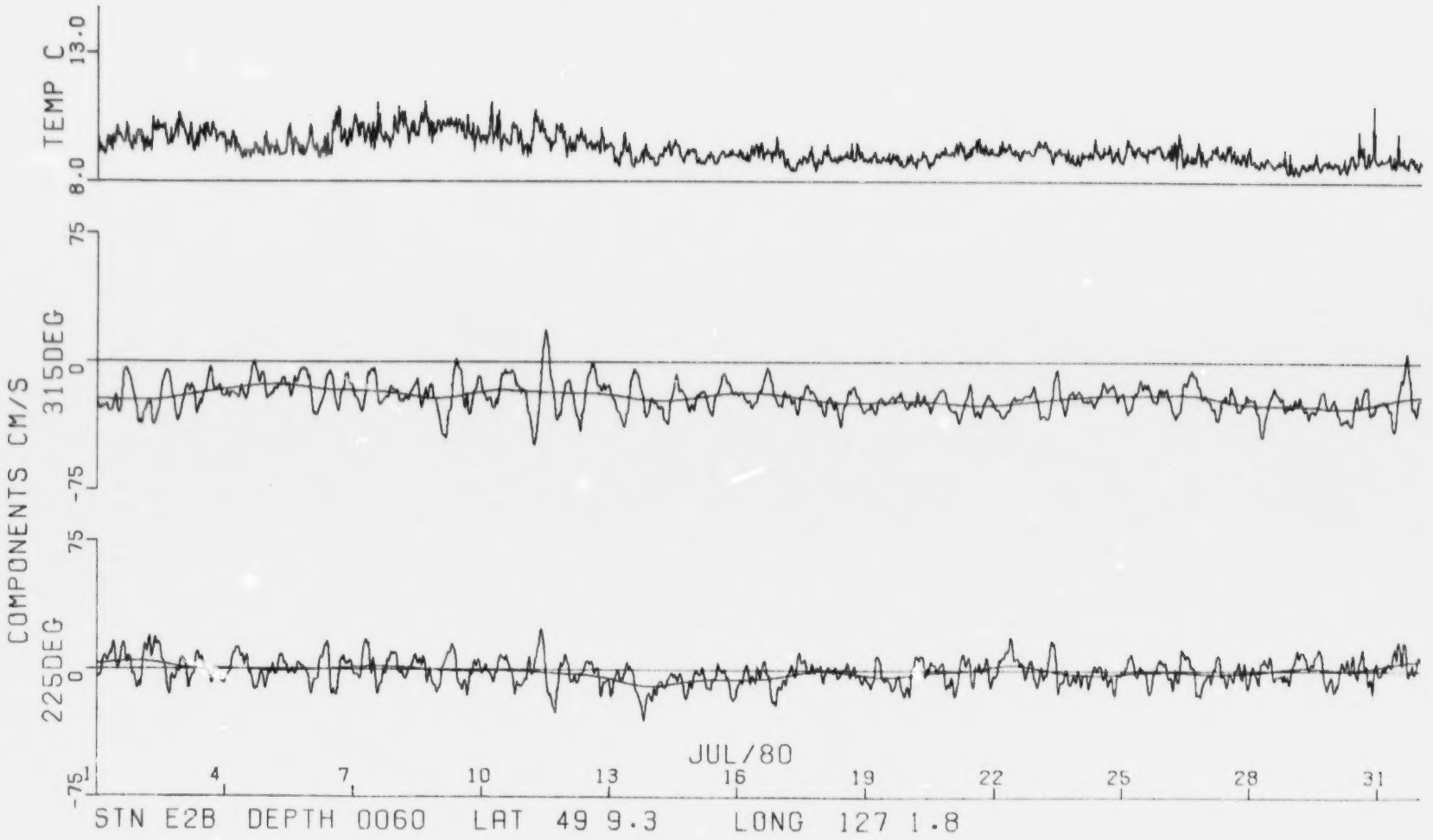
SCALE
100 KM




STATION E2A
DEPTH 15 METRES
START OF RECORD 7/ 5/1980
DURATION 131 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


TEMP C
13.0
8.0
COMPONENTS CM/S
311 DEG
75
0
-75
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E2B DEPTH 0060 LAT 49 9.3 LONG 127 1.8

STN E2B DEPTH 0060 LAT 49 9.3 LONG 127 1.8
JUN/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
75
0
-75
8.0
13.0


TEMP C
13.0
8.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E2B DEPTH 0060 LAT 49 9.3 LONG 127 1.8

STN E2B DEPTH 0060 LAT 49 9.3 LONG 127 1.8
AUG/80
1 4 7 10 13 16 19 22 25 28 31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
75 0 -75
8.0 13.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E2B Depth 0060 ESTEVAN POINT E2B 49 09.3 N 127 01.8 W Length of record=102 Days
Start of record 30 mn 15 hr 7 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	005	008	001	002	003																					19
10- 19	003	008	013	004	005																					33
20- 29	003	007	011	007	004																					32
30- 39	005	007	005	005	002																					24
40- 49	003	012	008	004	001																					28
50- 59	006	008	006	006	002																					28
60- 69	003	014	011		001																					29
70- 79	001	012	012	011	001	001	001																			39
80- 89		010	021	023	014	008	001	003																		80
90- 99	005	014	031	019	034	020	011	002	001																	137
100-109	011	031	044	055	074	050	022	006																		293
110-119	002	034	044	092	112	091	038	014	001																	428
120-129	008	028	074	140	173	131	066	029	004	002																655
130-139	008	033	080	133	161	157	076	032	022	012																714
140-149	015	021	077	111	159	108	071	036	029	012																639
150-159	005	037	076	107	105	101	045	022	010	003																511
160-169	014	040	040	063	052	049	023	015	003																	299
170-179	004	028	030	030	041	015	023	007	003	001																182
180-189	003	029	036	036	027	008	006	003		003																151
190-199	003	020	021	022	009	002	001	001		002																81
200-209	006	018	020	016	005	001		001	001	001																69
210-219	006	017	018	011	003	001																				56
220-229	005	010	010	009	007																					41
230-239	007	013	013	006	005	006	002																			52
240-249	004	009	013	007	008	002	001																			44
250-259	006	008	010	004	002																					30
260-269	002	012	010	009	001																					34
270-279	008	011	009	006																						34
280-289	007	010	002	003																						22
290-299		010	003																							13
300-309	003	008																								11
310-319	003	007	004	001																						15
320-329	004	009	005																							18
330-339	002	005	003	001																						11
340-349		004	002	002																						8
350-359	003	005	001	001	002																					12
	173	557	764	946	1013	751	387	171	74	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4872

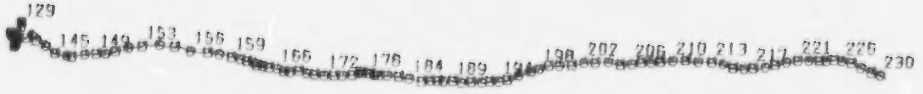
Number of zero rates: 25

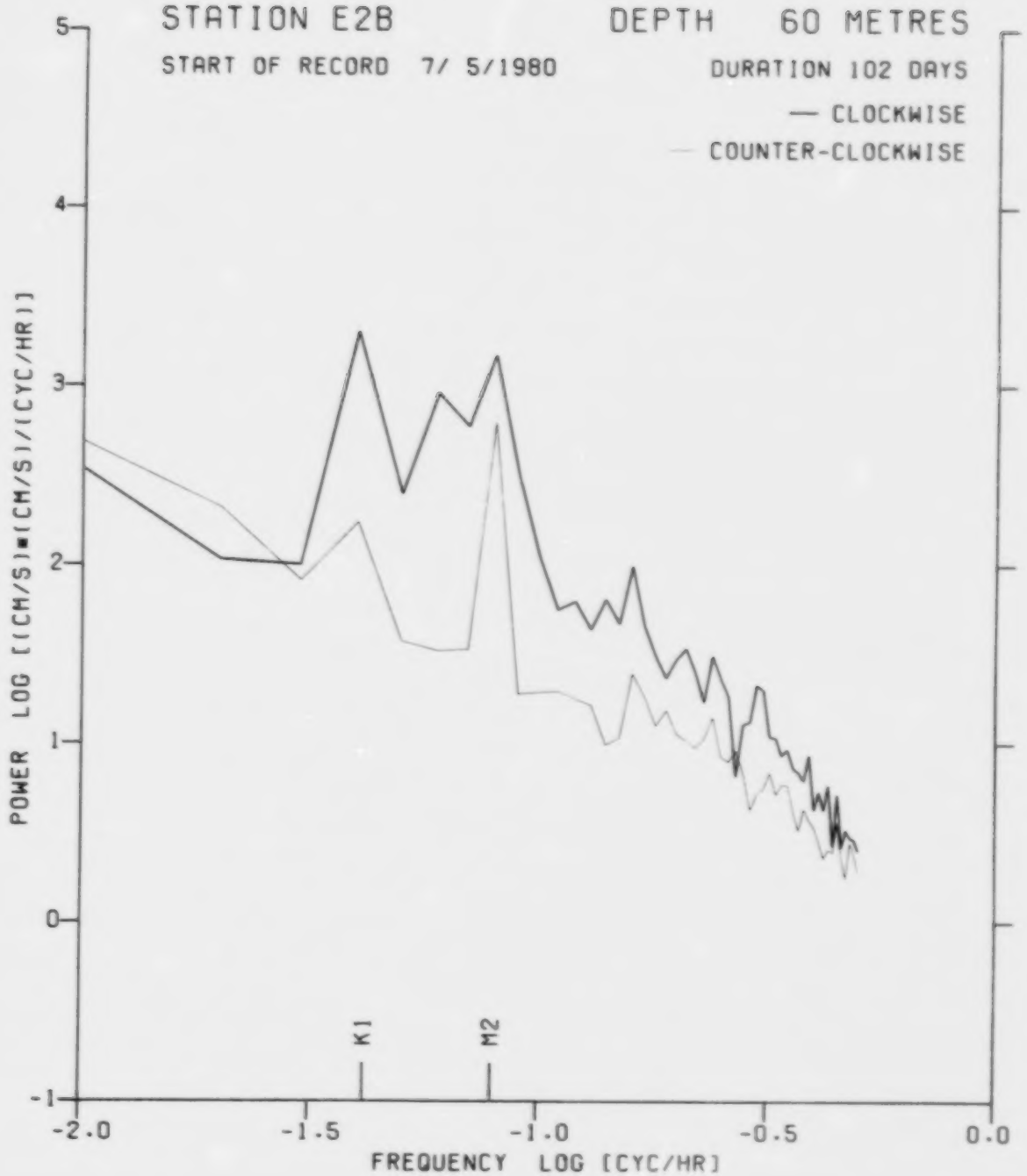
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

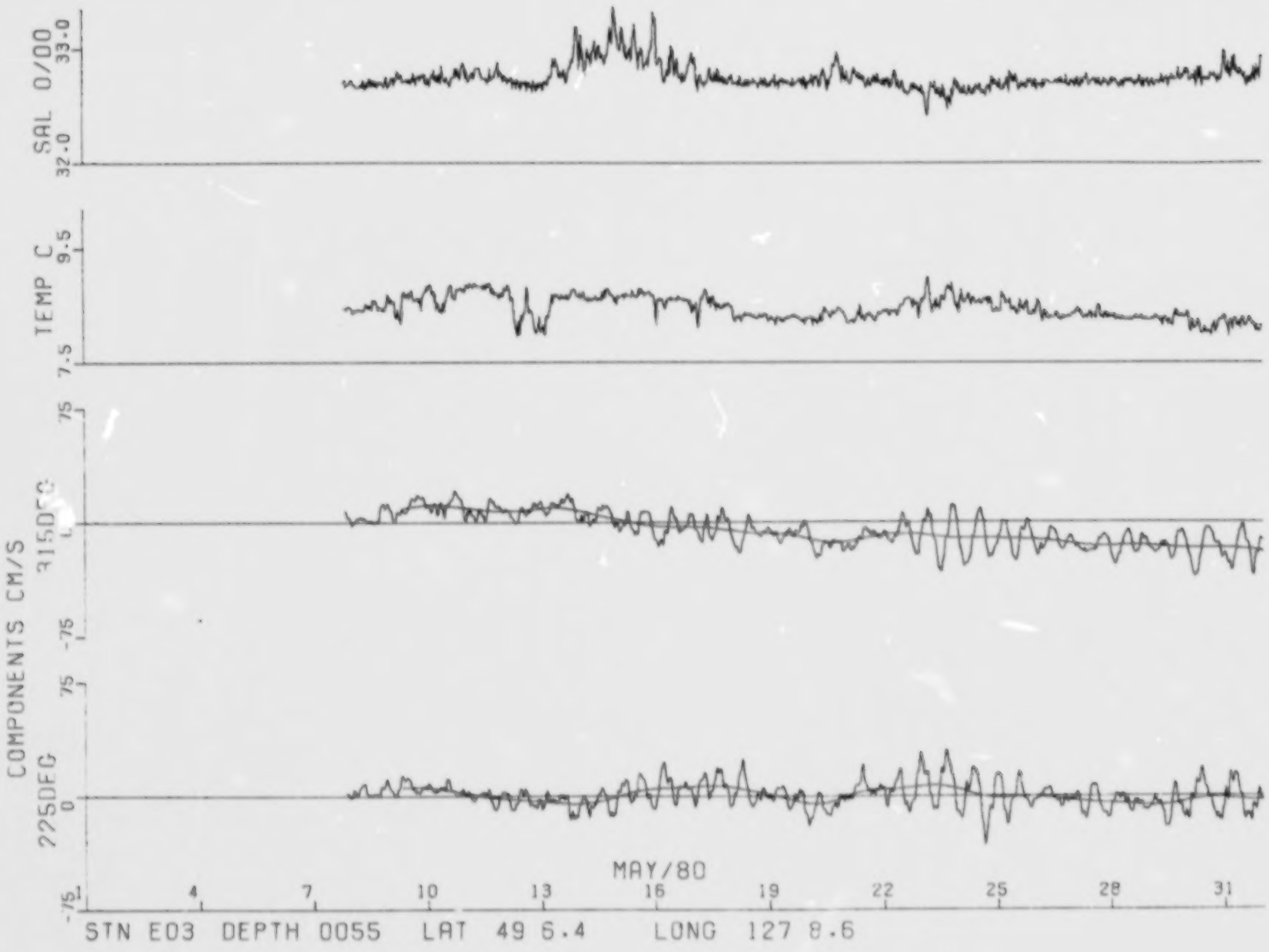
□ ODD NUMBERED DAYS
○ EVEN NUMBERED DAYS

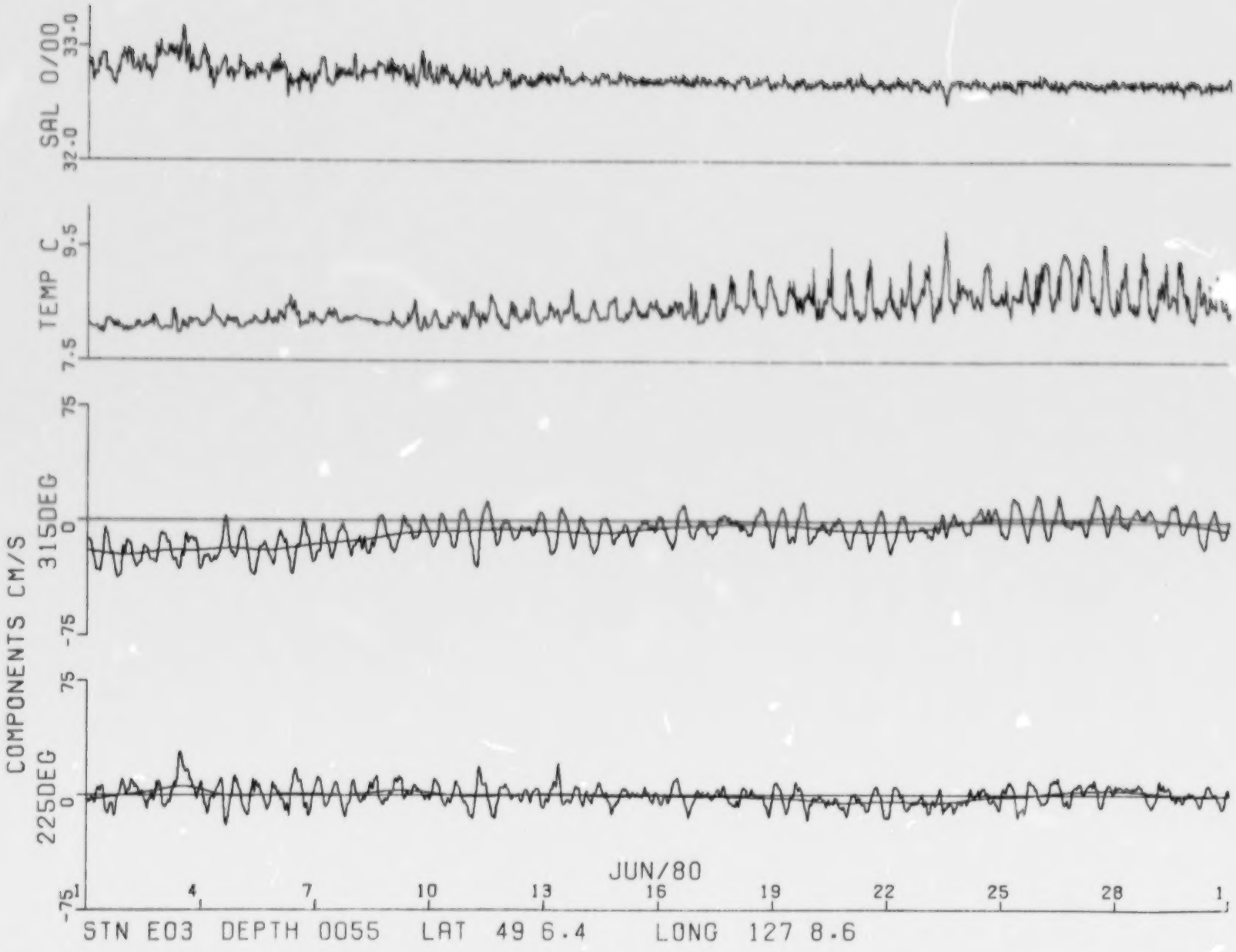
SIN DEPTH	ARLB	DAY/YR	NO DAYS
E2B 0060M	8600	128/80	102

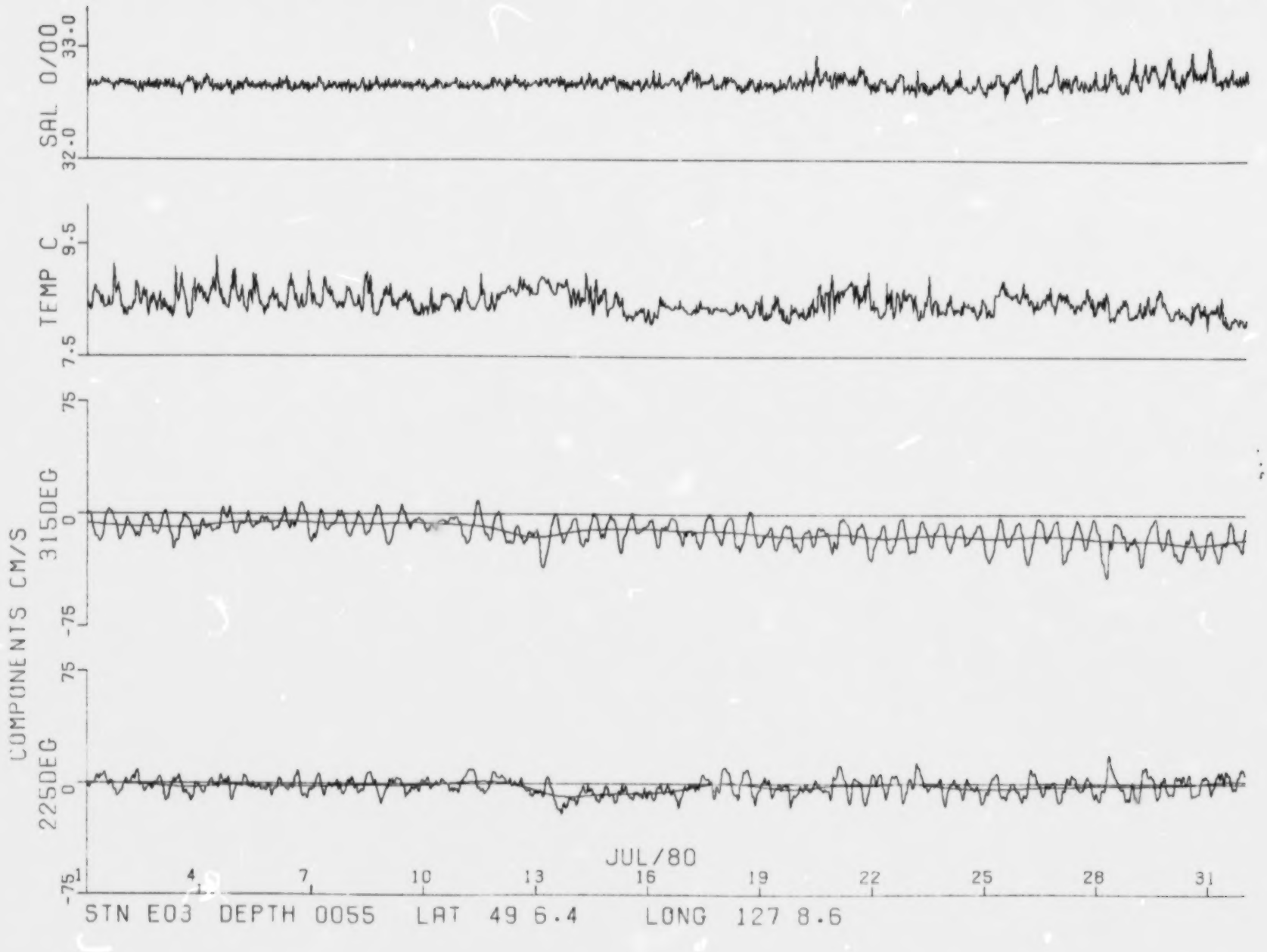
SCALE ++++
100 KM

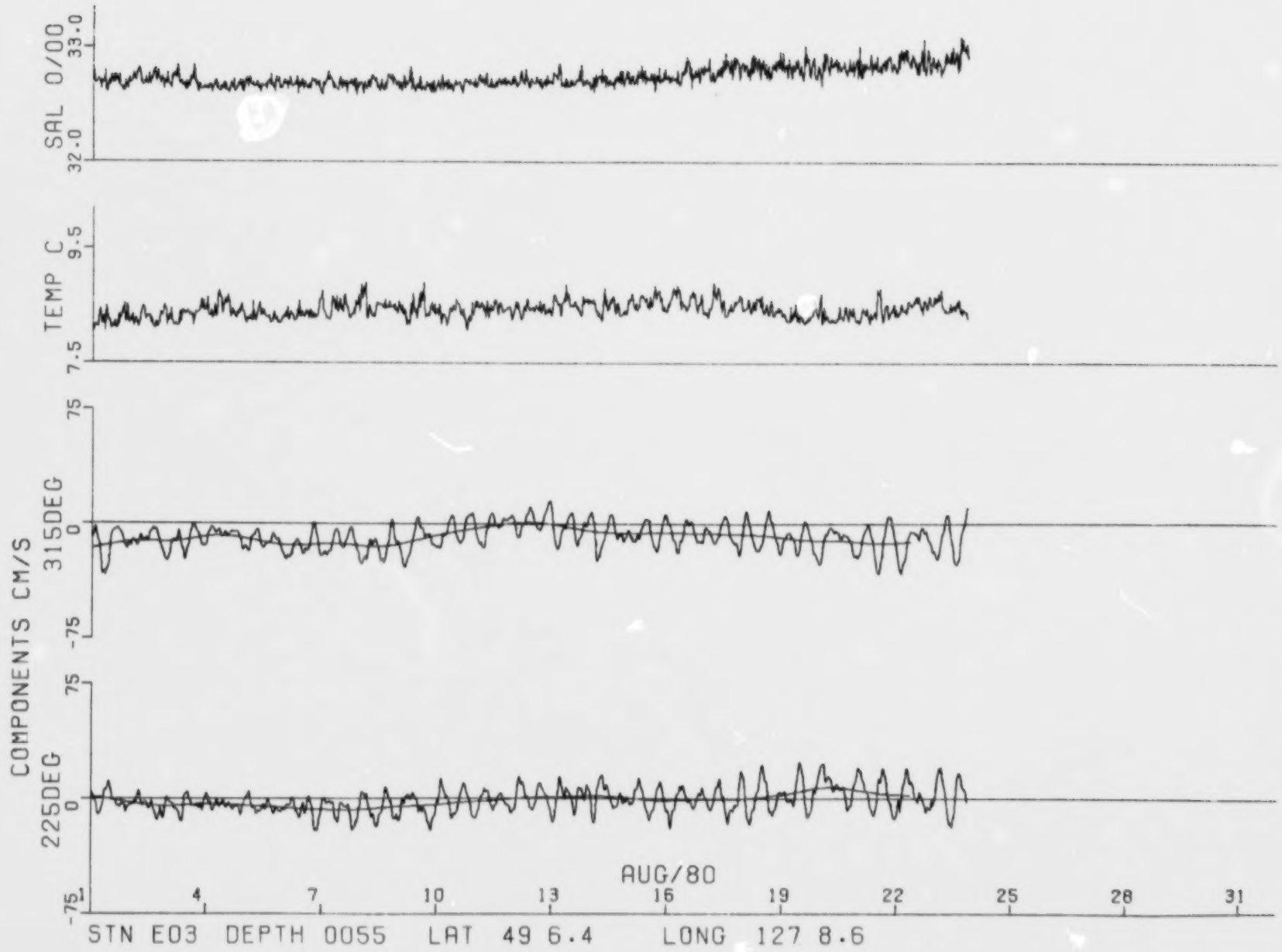



STATION E2B
DEPTH 60 METRES
START OF RECORD 7/ 5/1980
DURATION 102 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0055 LAT 49 6.4 LONG 127 8.6


SAL O/OO
33.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
4
7
10
13
16
19
22
25
28
1
STN E03 DEPTH 0055 LAT 49 6.4 LONG 127 8.6


SAL O/OO
33.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0055 LAT 49 6.4 LONG 127 8.6


SAL O/OO
33.0
32.0
TEMP C
9.5
7.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0055 LAT 49 6.4 LONG 127 8.6

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0055 ESTEVAN POINT 49 06.4 N 127 08.6 W Length of record=108 Days
Start of record 38 mn 20 hr 7 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	015	020	010	004	002																					51
10- 19	008	031	012	002																						53
20- 29	017	027	012																							51
30- 39	012	033	014	001																						60
40- 49	014	035	021	007	001	001																				79
50- 59	024	036	018	011	001		002																			92
60- 69	015	049	035	015	004																					118
70- 79	017	064	034	018	007		001																			141
80- 89	016	069	060	045	020	006																				216
90- 99	011	086	086	064	038	004																				289
100-109	021	074	108	063	046	015	001																			328
110-119	018	098	125	090	073	024	004																			432
120-129	025	105	126	112	080	030	026	008																		512
130-139	028	079	086	101	079	046	016	005	002																	442
140-149	012	071	081	082	074	044	029	005	001																	399
150-159	015	049	064	069	045	028	013	002																		285
160-169	017	053	066	033	024	014	007	002																		216
170-179	020	059	040	026	012	015	001	001	001																	175
180-189	018	040	031	014	017	010	002	002																		134
190-199	013	034	030	019	013	005	001																			115
200-209	016	026	018	014	010	004	002																			90
210-219	013	020	016	008	002																					67
220-229	012	019	007	003	001																					42
230-239	016	019	006	005	001																					47
240-249	014	024	006	004																						48
250-259	013	017	017	003																						50
260-269	018	019	011	005																						53
270-279	017	025	013	005																						60
280-289	020	036	020	003	001																					80
290-299	027	025	025	011																						88
300-309	009	041	010	020																						80
310-319	013	036	009	009	002																					69
320-329	013	022	019	008																						62
330-339	023	020	013	002																						58
340-349	010	021	012	005	001																					49
350-359	012	024	014	003	001																					54
	1514		884		246		25		0		0		0		0		0		0		0		0		0	5185
	577	1275		555		105		4		0		0		0		0		0		0		0		0		

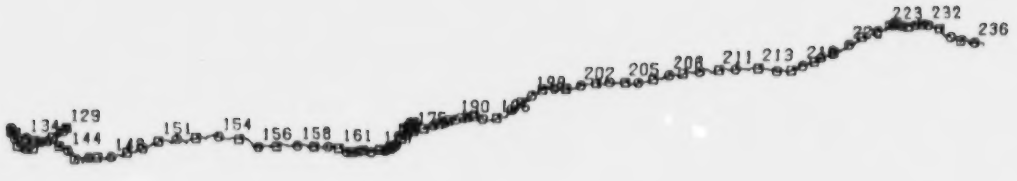
Number of zero rates: 0

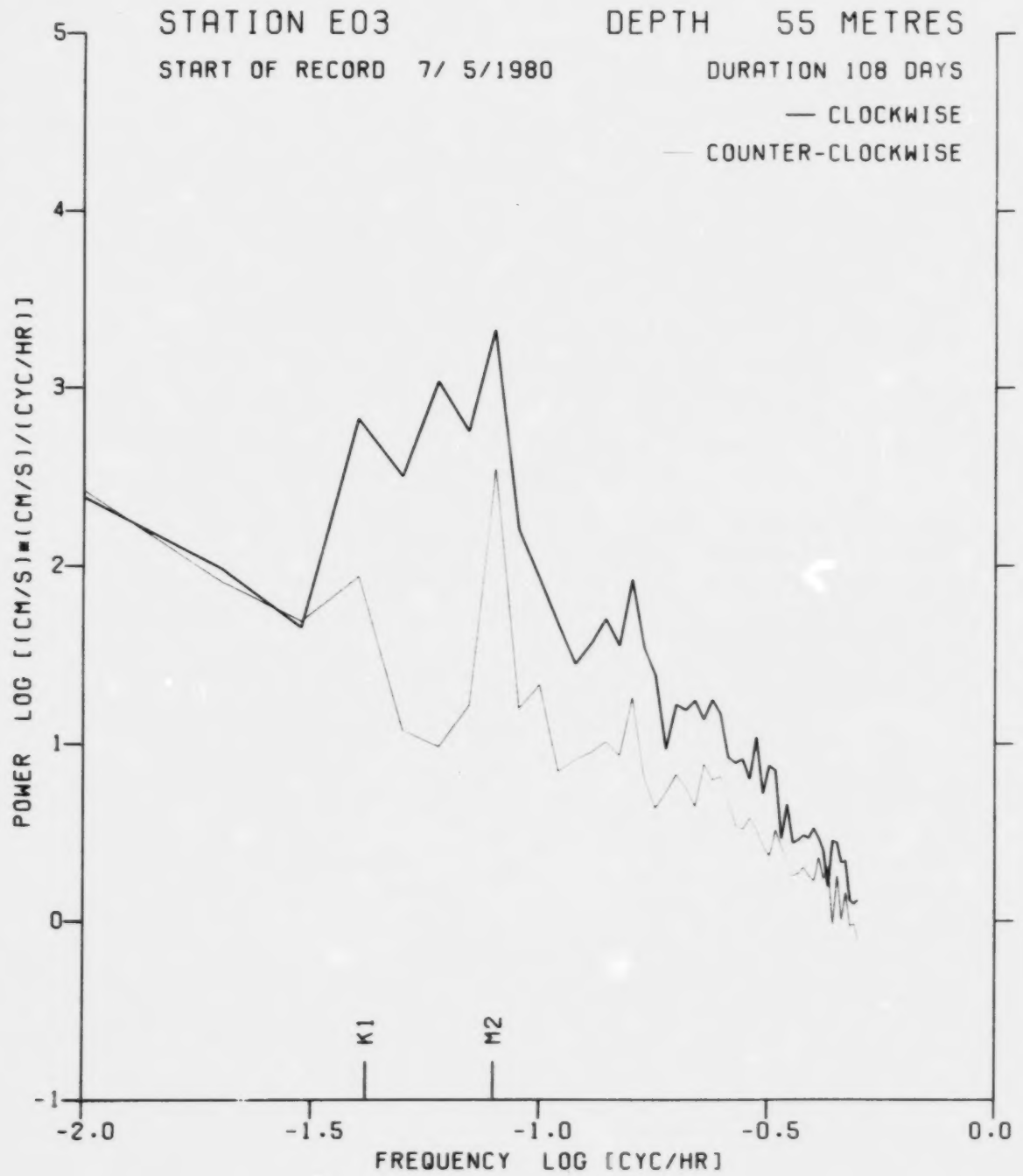
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

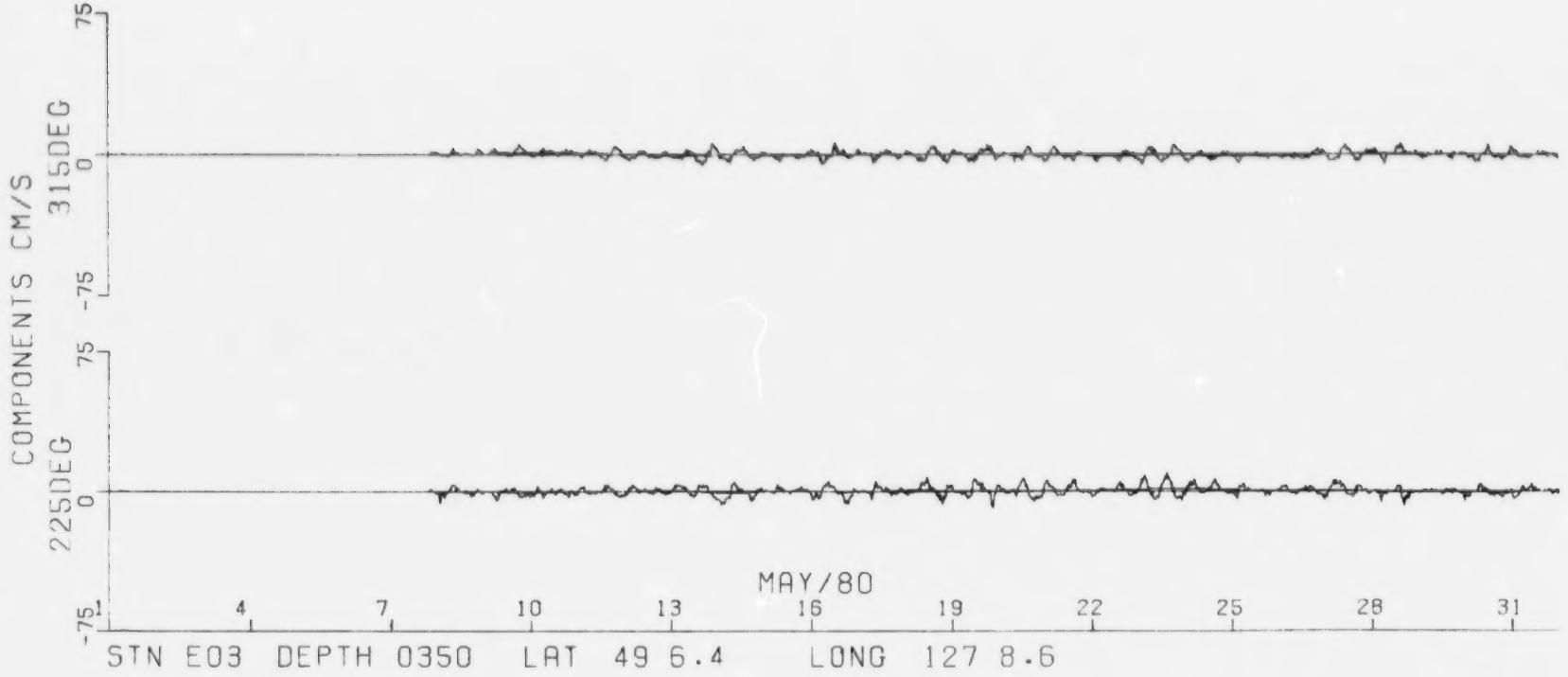
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

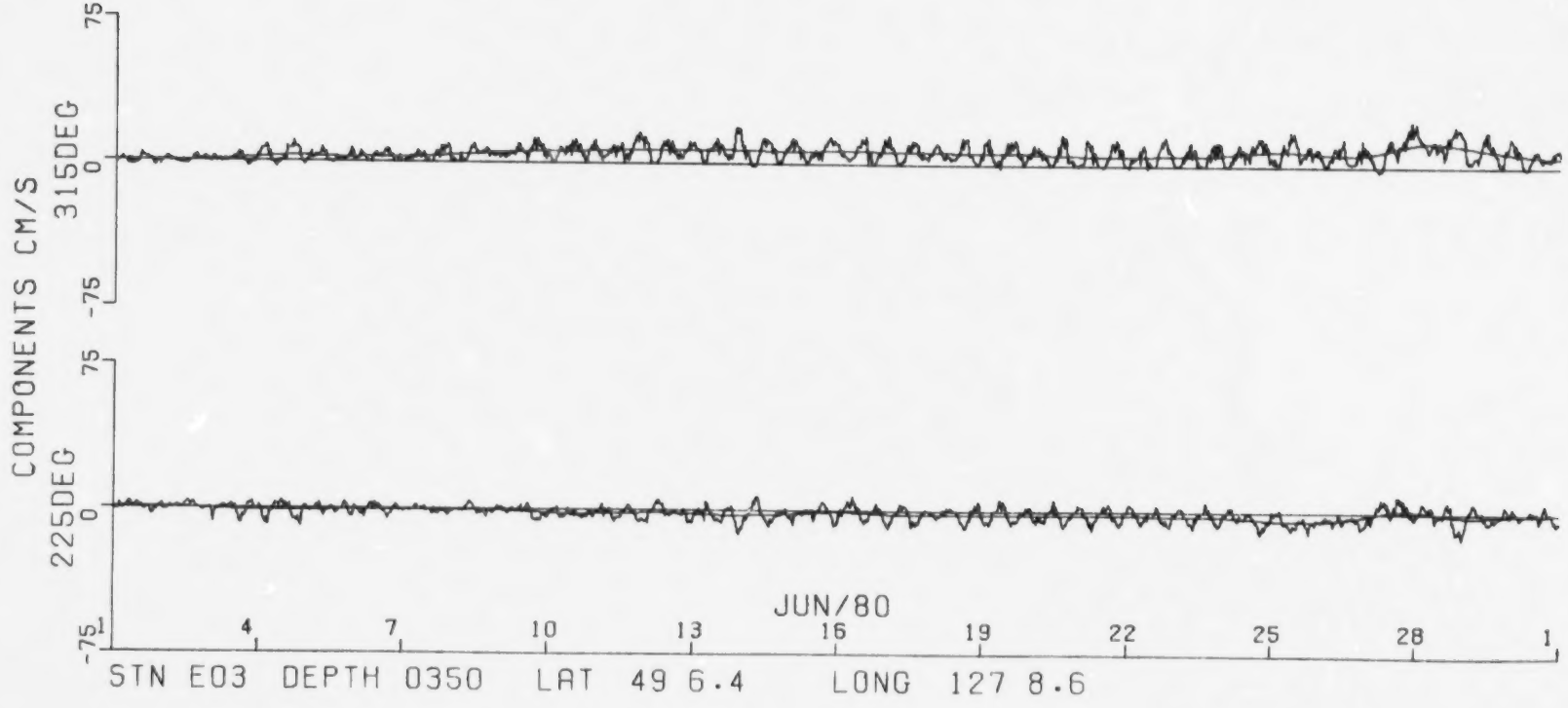
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0055M	8600	128/80	108

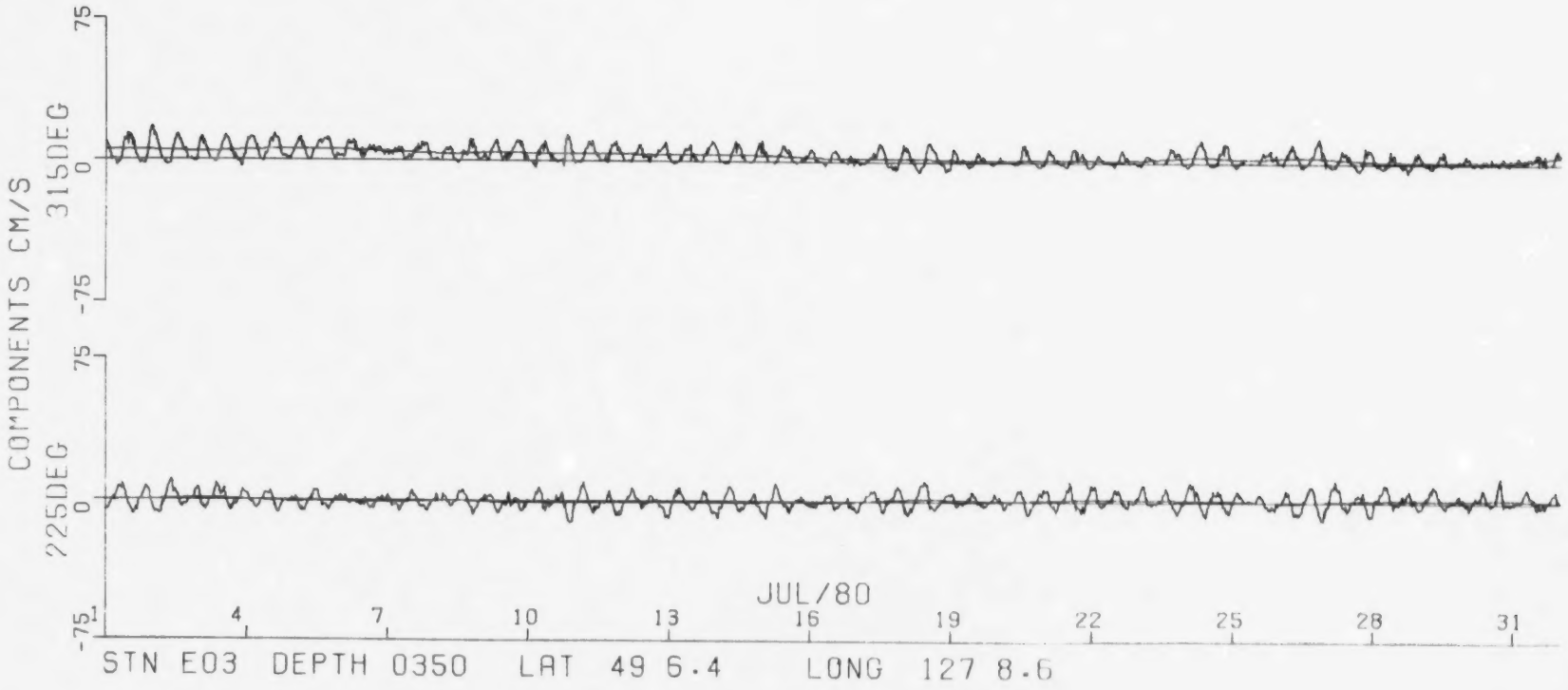
SCALE
100 KM




STATION E03
DEPTH 55 METRES
START OF RECORD 7/ 5/1980
DURATION 108 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
MAY/80
STN E03 DEPTH 0350 LAT 49 6.4 LONG 127 8.6


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
STN E03 DEPTH 0350 LAT 49 6.4 LONG 127 8.6


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
JUL/80
STN E03 DEPTH 0350 LAT 49 6.4 LONG 127 8.6

COMPONENTS CM/S
225DEG
315DEG
75
0
-75
STN E03 DEPTH 0350 LAT 49 6.4 LONG 127 8.6
AUG/80
4
7
10
13
16
19
22
25
28
31

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0350 ESTEVAN POINT 49 06.4 N 127 08.6 W Length of record= 88 Days
Start of record 30 mn 19 hr 7 dy 5 mo 88 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	100	069	014	002																						185
10- 19	105	035	003																							143
20- 29	077	019	004																							100
30- 39	074	022																								96
40- 49	067	008																								75
50- 59	061	008																								69
60- 69	042	004																								46
70- 79	043	001																								44
80- 89	030																									33
90- 99	032	001																								33
100-109	026																									26
110-119	026	001																								27
120-129	032																									32
130-139	021																									21
140-149	041																									41
150-159	049	001																								50
160-169	056	007																								63
170-179	061	011																								72
180-189	087	016																								103
190-199	086	019																								105
200-209	083	030																								113
210-219	065	041	001																							107
220-229	068	028	003																							99
230-239	047	019	003																							69
240-249	074	026	003																							103
250-259	043	021	001																							65
260-269	051	033	002																							86
270-279	067	039	006																							112
280-289	078	041	012	001																						132
290-299	078	060	028	003																						169
300-309	090	085	030	003	002																					210
310-319	083	089	041	005	003																					221
320-329	100	103	068	010	003																					284
330-339	093	118	076	017	001																					305
340-349	117	136	100	015	006																					374
350-359	124	097	043	006	001																					271
	1188		62		0		0		0		0		0		0		0		0		0		0		0	4089
	2385		438		16		0		0		0		0		0		0		0		0		0		0	

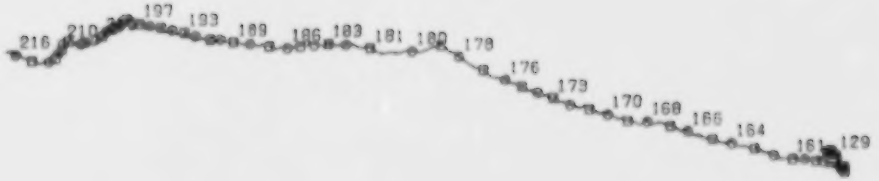
Number of zero rates: 122

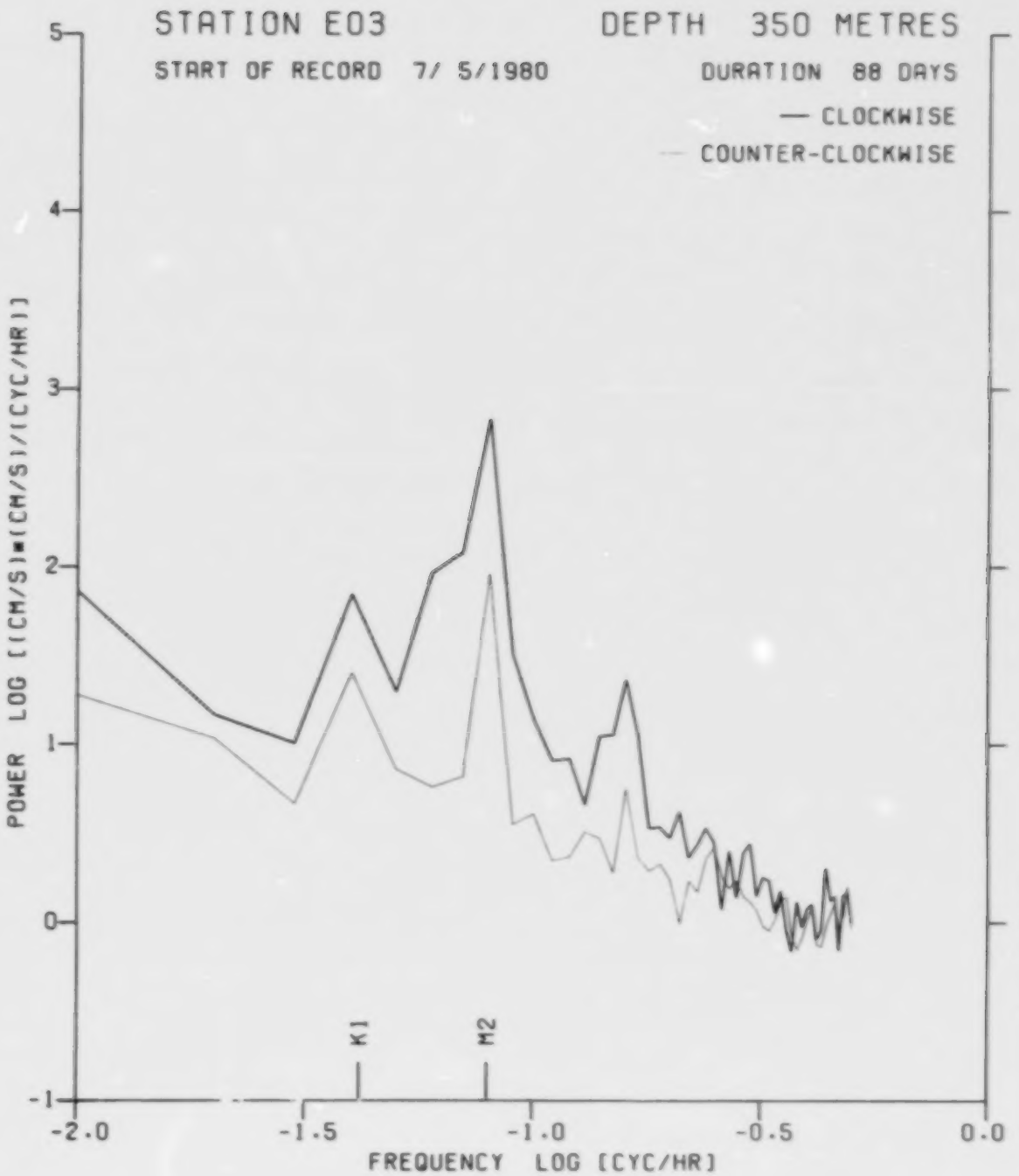
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
◎EVEN NUMBERED DAYS

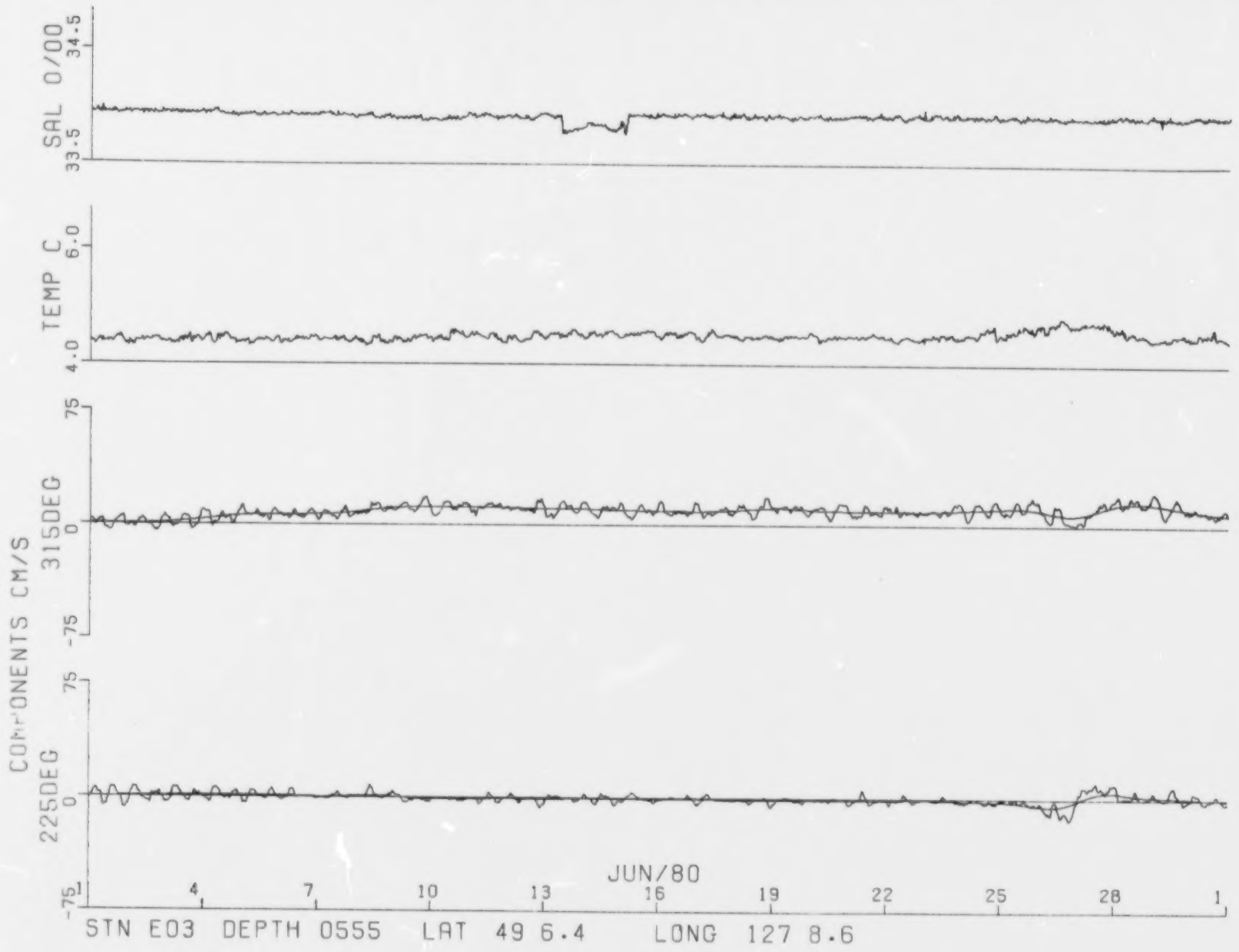
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0350M	8600	128/80	88

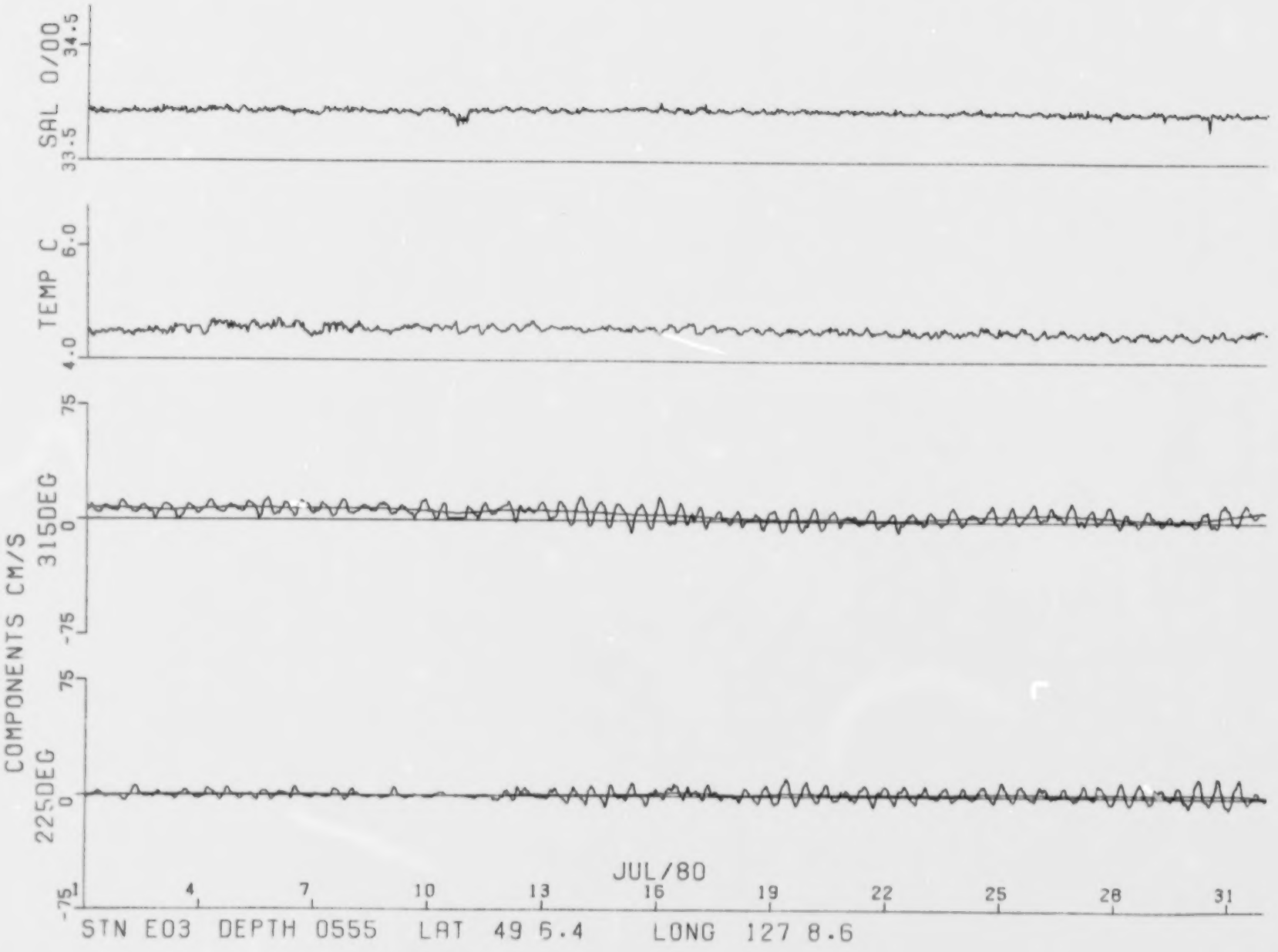
SCALE 100 KM

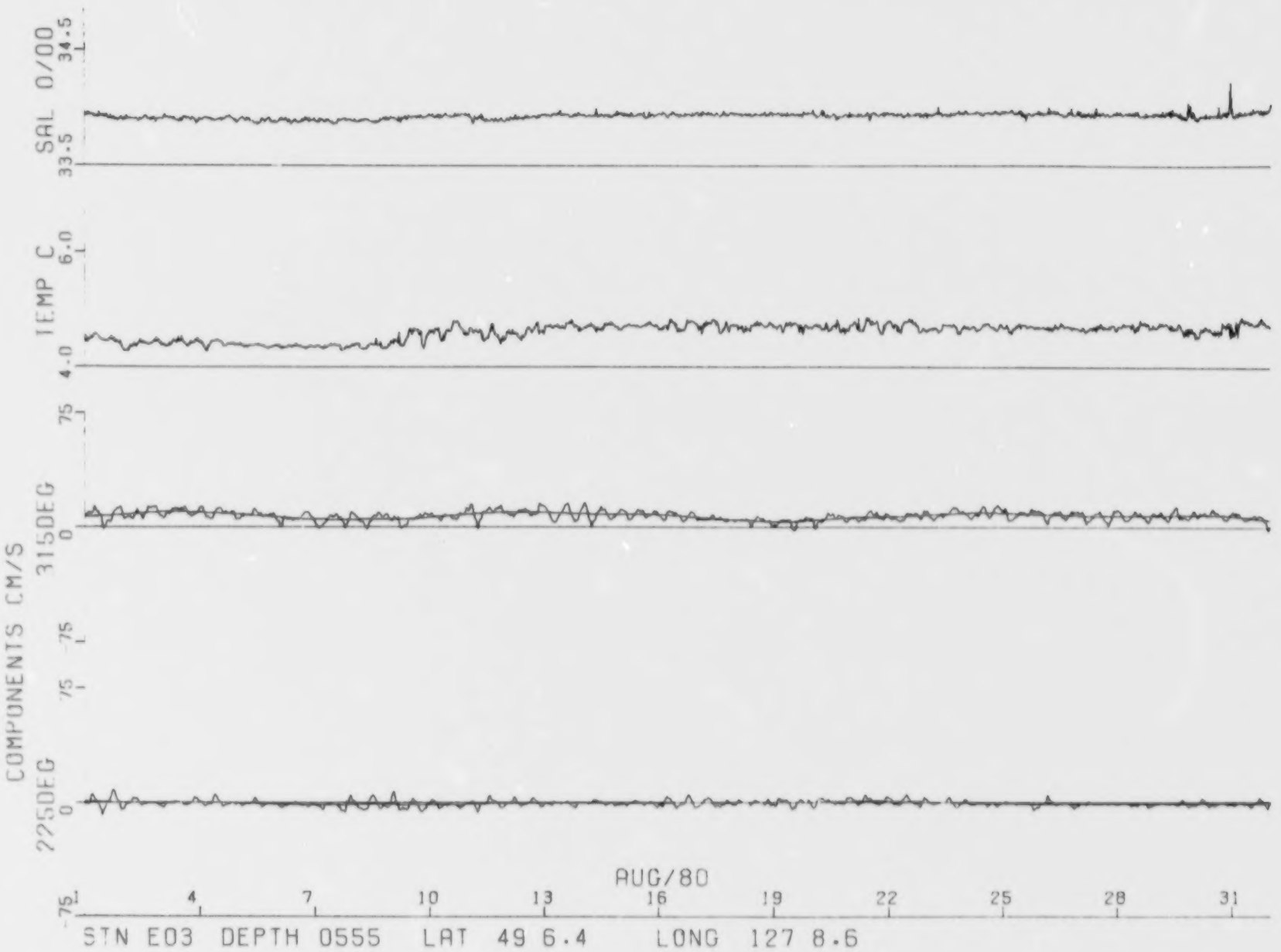


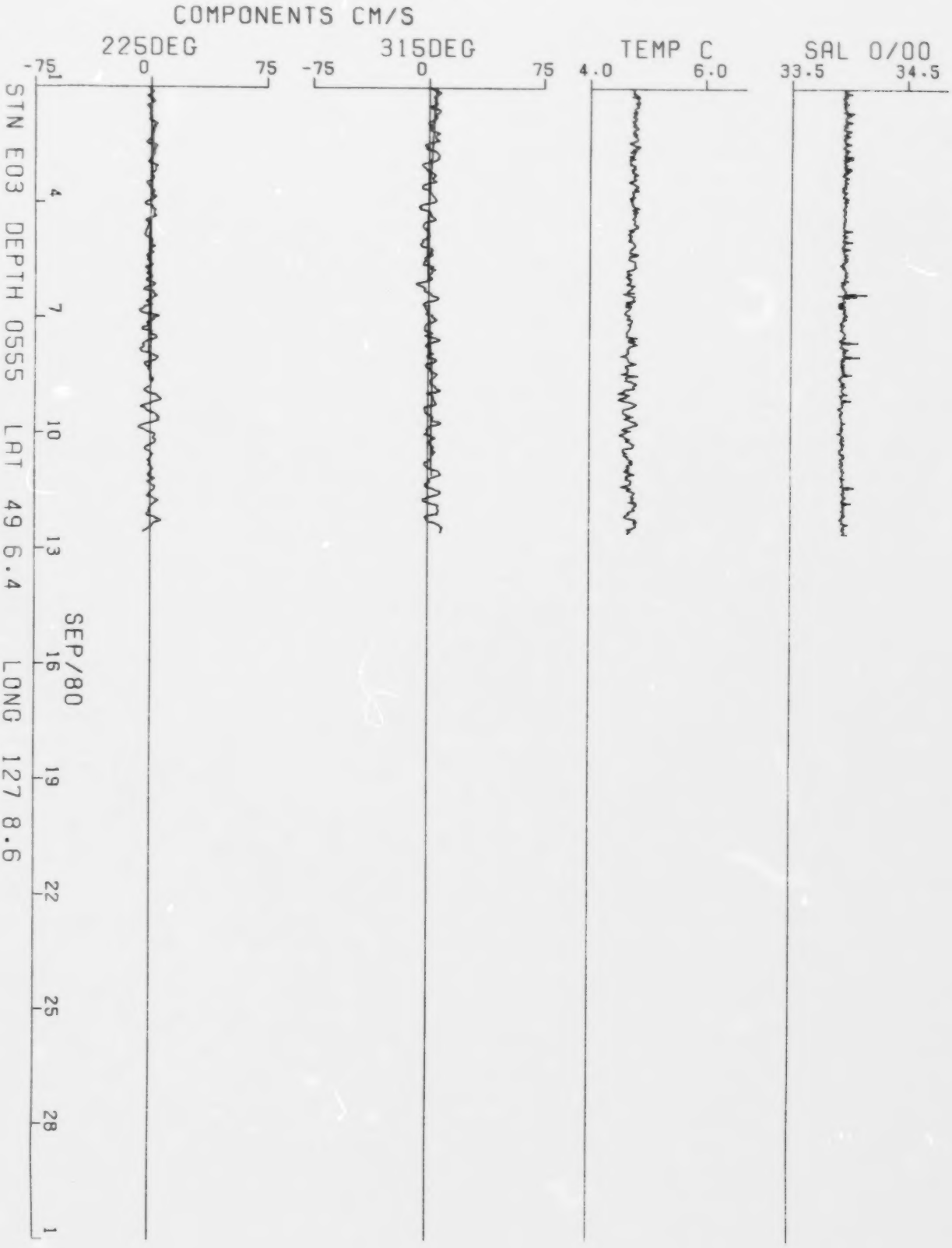

STATION E03
DEPTH 350 METRES
START OF RECORD 7/ 5/1980
DURATION 88 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

STN E03 DEPTH 0555 LAT 49 6.4 LONG 127 8.6
MAY/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
75
0
-75
315DEG
75
0
-75
TEMP C
4.0
6.0
SAL 0/00
33.5
34.5


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN E03 DEPTH 0555 LAT 49 6.4 LONG 127 8.6


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0555 LAT 49 6.4 LONG 127 8.6


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0555 LAT 49 6.4 LONG 127 8.6


COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
4.0
6.0
SAL 0/00
33.5
34.5
STN E03 DEPTH 0555 LAT 49 6.4 LONG 127 8.6
SEP/80
4
7
10
13
16
19
22
25
28
1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0555 ESTEVAN POINT 49 06.4 N 127 08.6 W Length of record=128 Days
Start of record 30 mn 20 hr 7 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	042	020	001																							63
10- 19	027	021	003																							51
20- 29	023	013	006																							42
30- 39	030	015	006																							51
40- 49	065	024	002																							91
50- 59	061	029	001																							91
60- 69	062	026																								88
70- 79	050	022																								72
80- 89	042	015																								57
90- 99	036	014																								50
100-109	034	017																								51
110-119	051	015																								66
120-129	049	018																								67
130-139	040	026																								66
140-149	048	028	001																							77
150-159	025	020	001																							46
160-169	030	037	001																							68
170-179	041	031	001																							73
180-189	024	028	002																							54
190-199	039	031	003																							73
200-209	038	043	003																							84
210-219	037	049	006																							92
220-229	045	043	006																							94
230-239	035	038	005																							78
240-249	040	048	002																							90
250-259	044	028	004																							76
260-269	050	039	003																							92
270-279	055	056	013	003																						127
280-289	067	083	026	014	001																					191
290-299	081	141	043	012	002																					279
300-309	098	233	124	009	005																					469
310-319	121	735	442	044																						1342
320-329	153	674	294	029																						1150
330-339	095	259	070	007																						431
340-349	057	084	017																							158
350-359	037	041	003																							81
	3044		118		0		0		0		0		0		0		0		0		0		0		0	6131
	1872	1089		8		0		0		0		0		0		0		0		0		0		0		

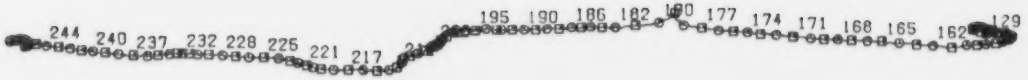
Number of zero rates: 0

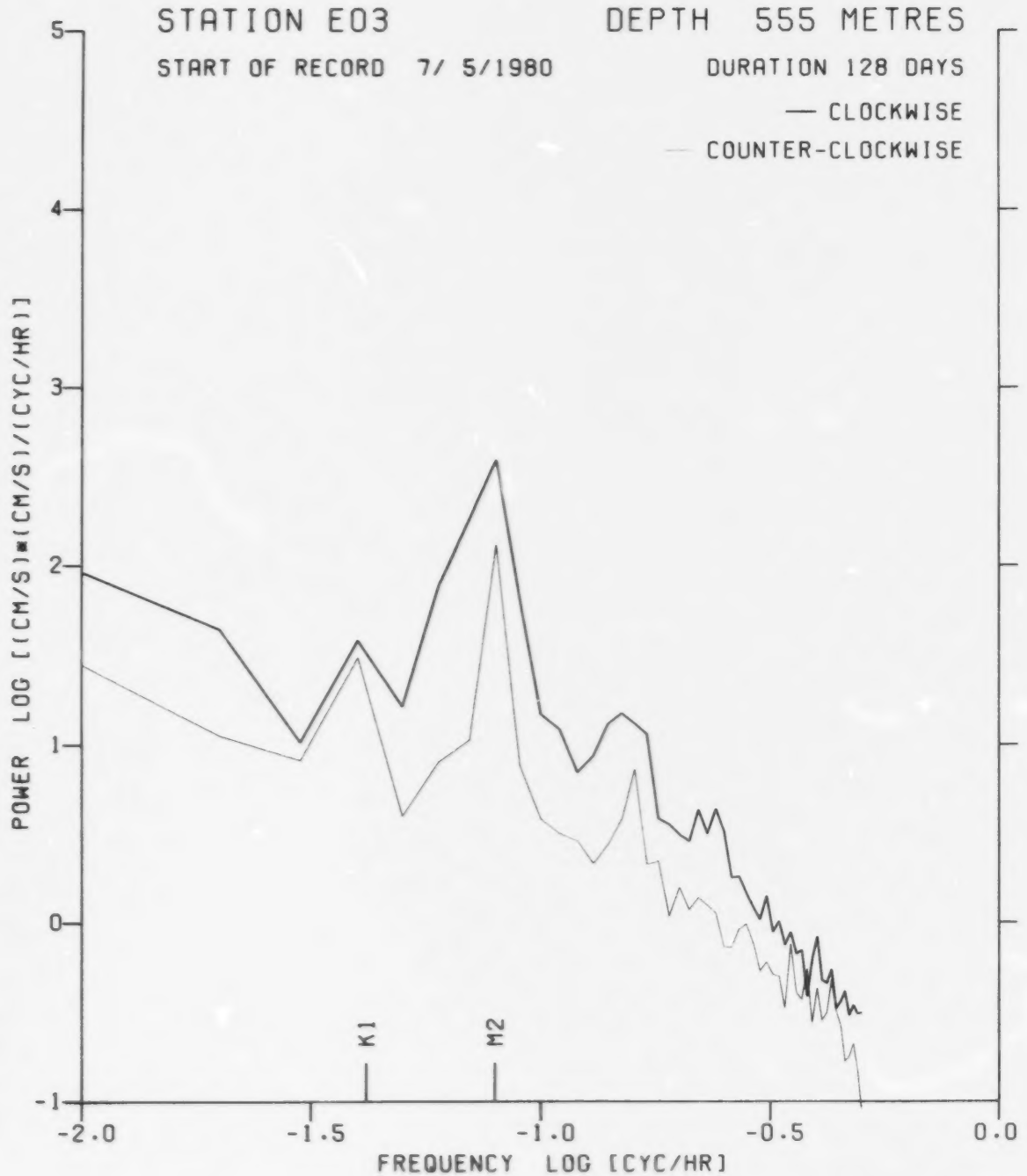
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

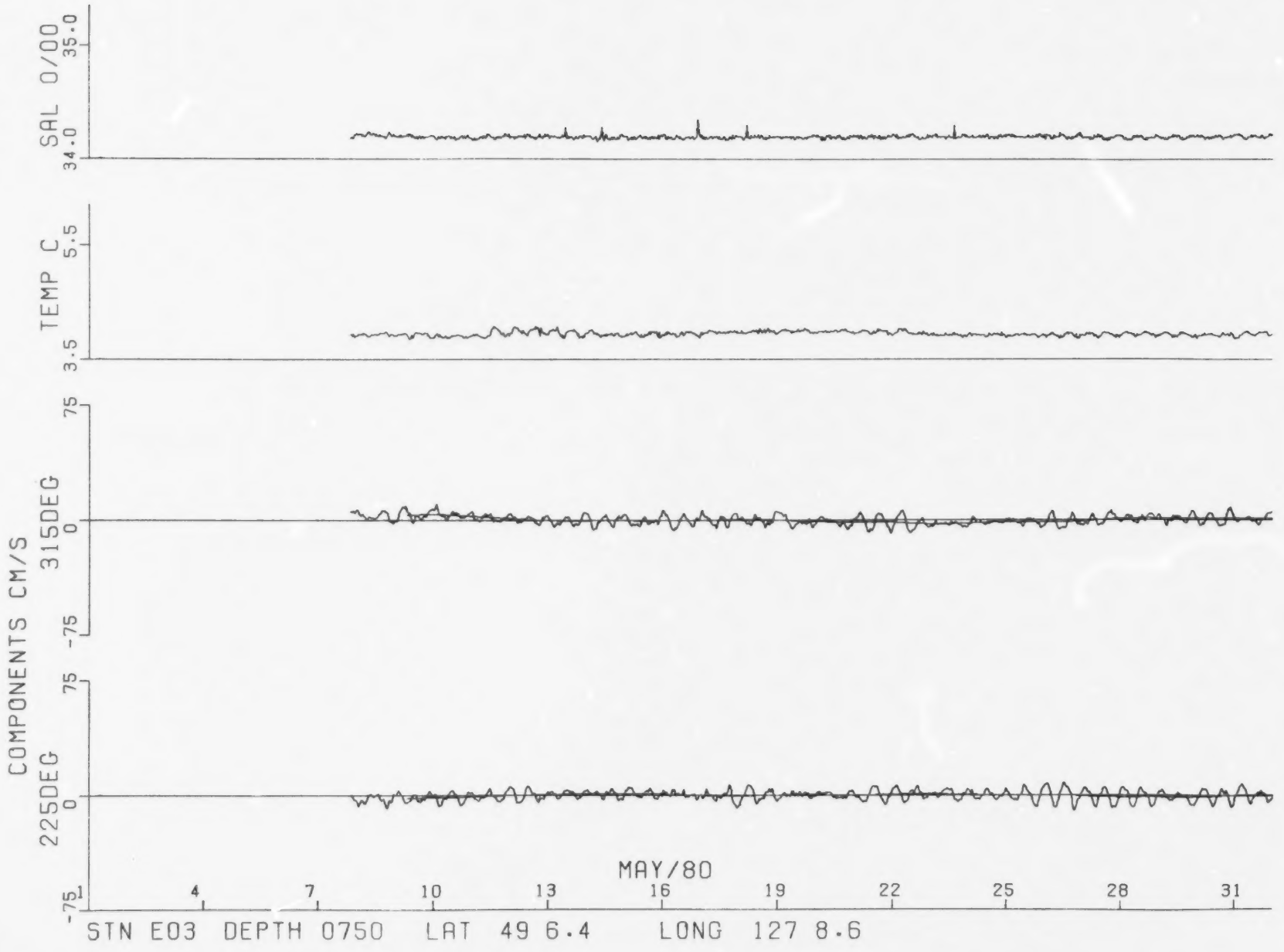
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

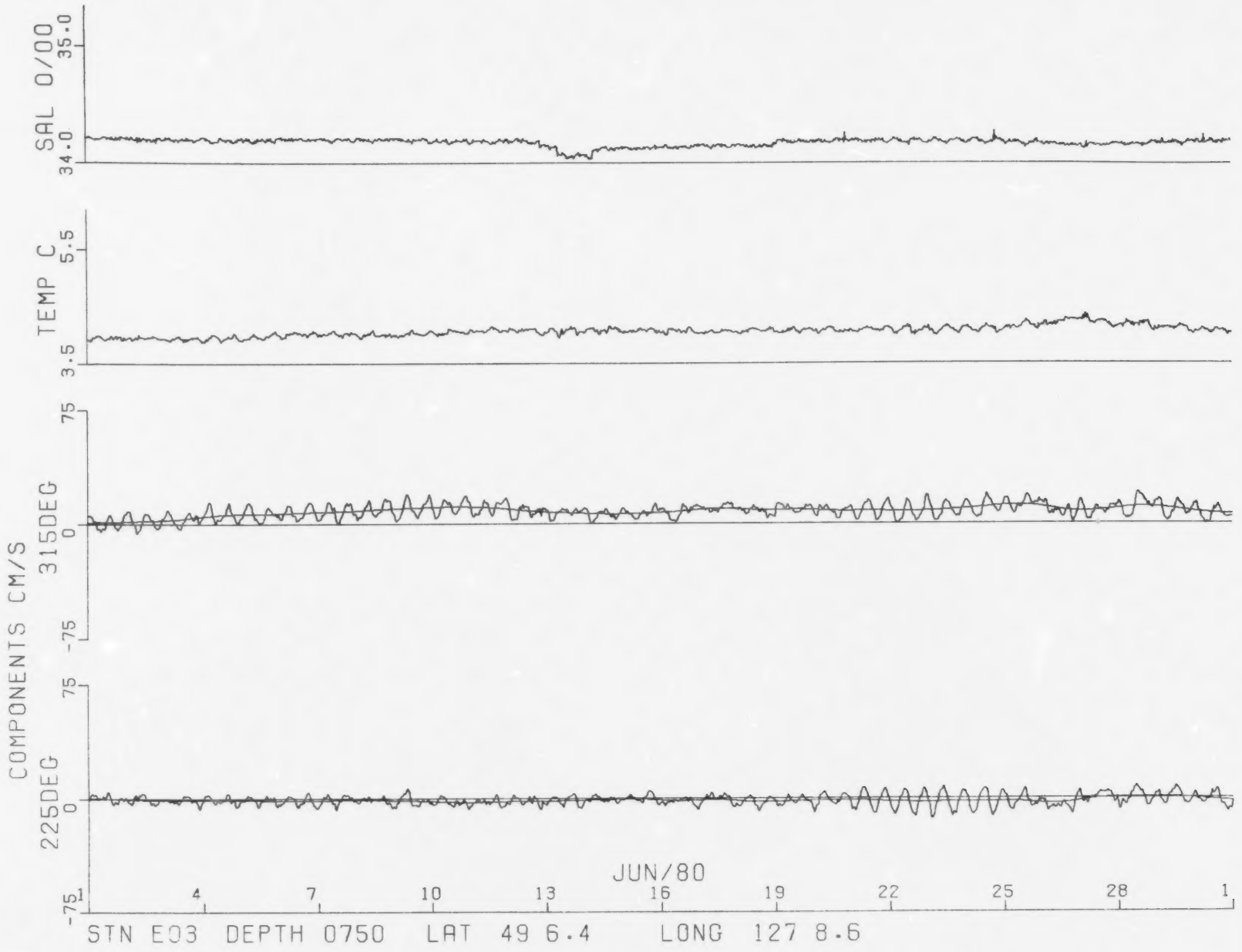
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0555M	8600	128/80	128

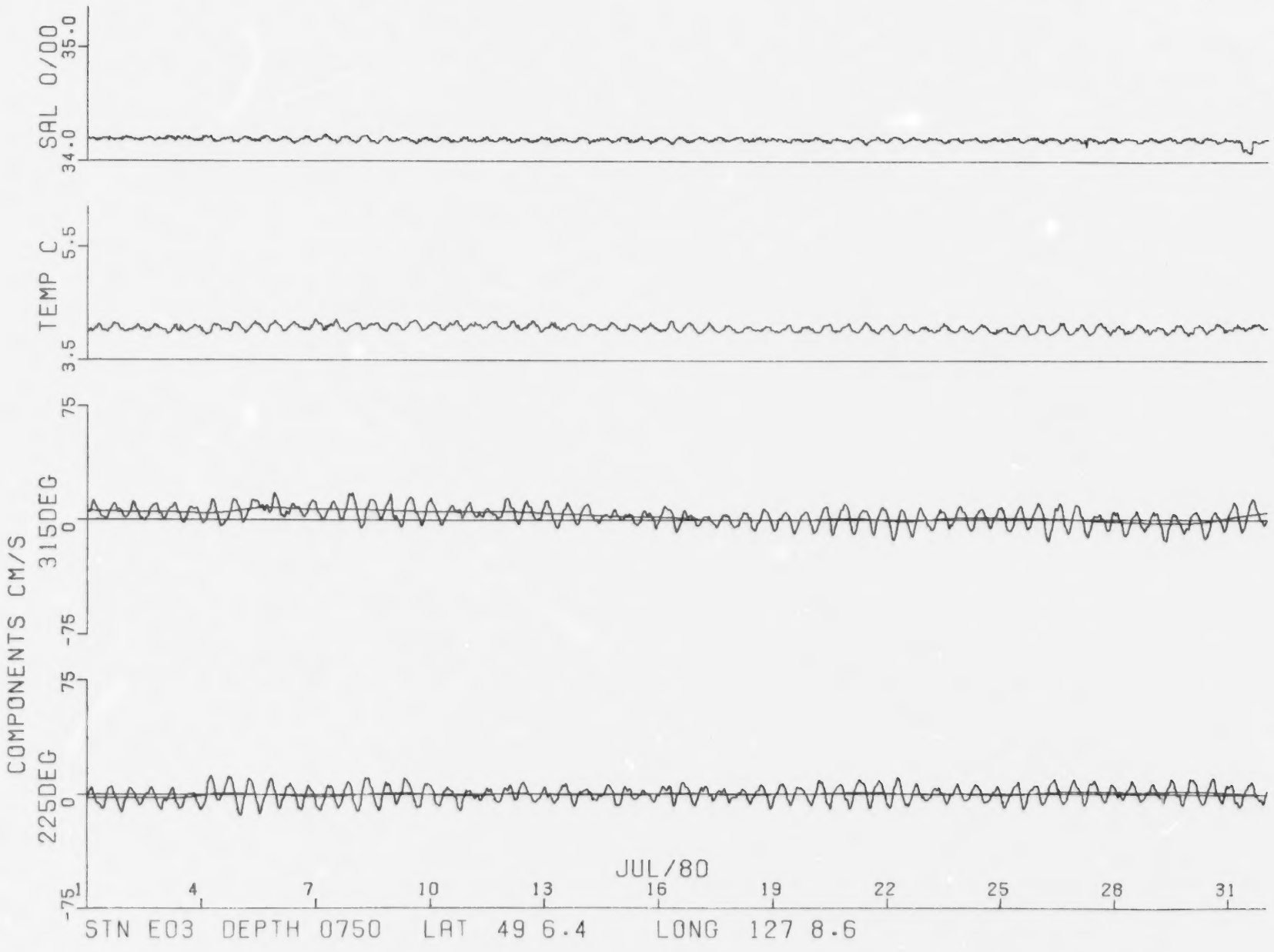
SCALE
100 KM

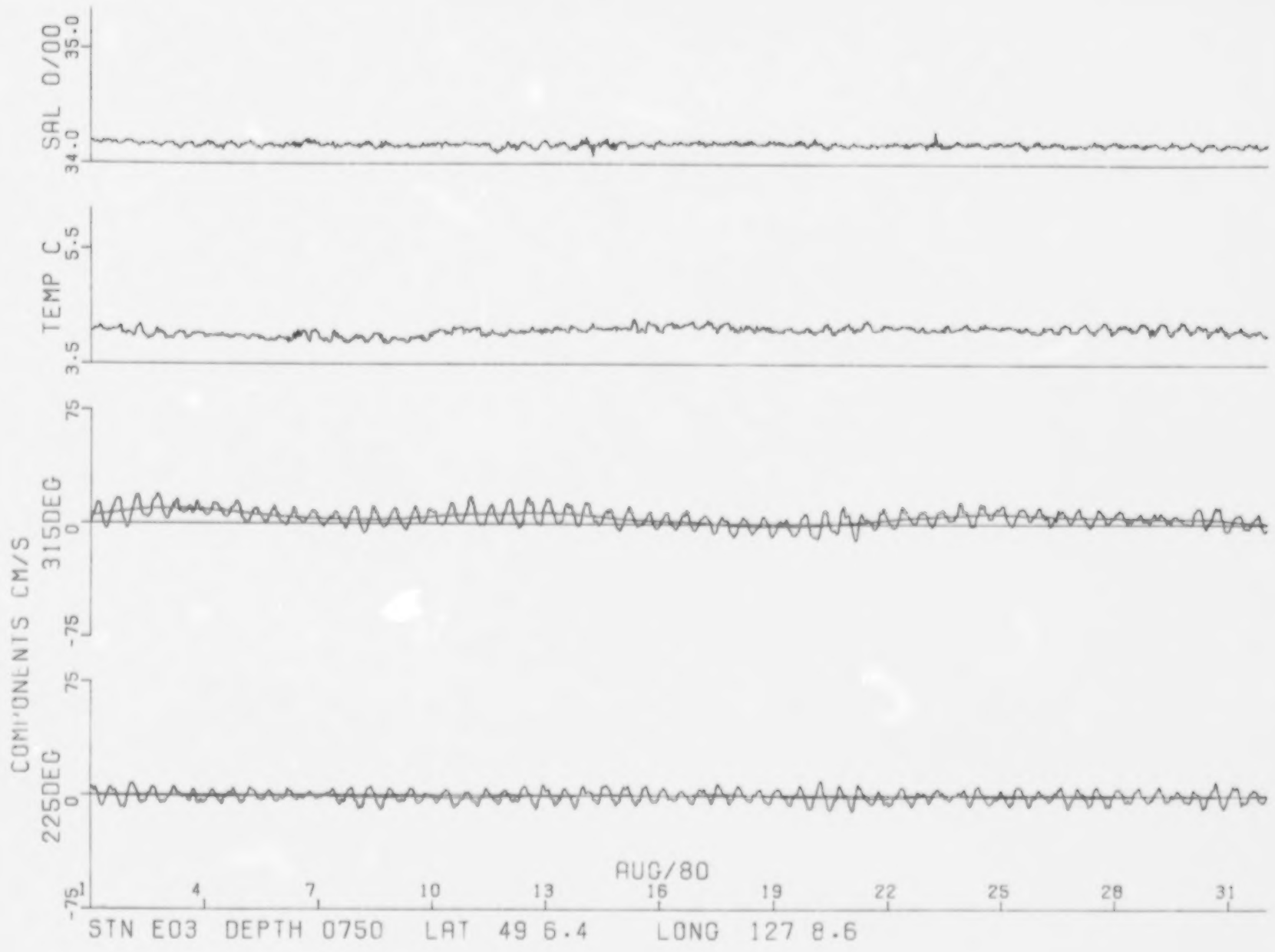



STATION E03
DEPTH 555 METRES
START OF RECORD 7/ 5/1980
DURATION 128 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0750 LAT 49 6.4 LONG 127 8.6


SAL O/OO
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN E03 DEPTH 0750 LAT 49 6.4 LONG 127 8.6


SAL O/OO
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0750 LAT 49 6.4 LONG 127 8.6


SAL O/OO
35.0
34.0
TEMP C
5.5
3.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
4
7
10
13
16
19
22
25
28
31
STN E03 DEPTH 0750 LAT 49 6.4 LONG 127 8.6

STN E03 DEPTH 0750 LAT 49 6.4 LONG 127 8.6
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.5
5.5
34.0
35.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E03 Depth 0750 ESTEVAN POINT 49 06.4 N 127 08.6 W Length of record=128 Days
Start of record 30 mn 20 hr 7 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

	CMS/SEC																								
	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
DIR																									
0- 9	002	006	028	001																					207
10- 19	001	000	027	003																					201
20- 29	003	006	013																						162
30- 39	000	001	009																						178
40- 49	006	008	004																						128
50- 59	002	003	001																						126
60- 69	001	002	001																						94
70- 79	001	000	005																						86
80- 89	000	005	004																						87
90- 99	007	004	000																						109
100-109	000	006	009																						103
110-119	009	000	013																						120
120-129	006	009	017																						102
130-139	000	002	022																						124
140-149	005	003	015																						123
150-159	003	005	010																						116
160-169	005	009	012																						106
170-179	007	002	000																						87
180-189	004	003	002																						79
190-199	000	001	002																						83
200-209	004	001	002																						77
210-219	004	020																							54
220-229	005	000	001																						76
230-239	000	005	004																						77
240-249	005	001	010																						106
250-259	005	009	013																						127
260-269	009	002	014	002																					157
270-279	005	021	023	003																					212
280-289	003	000	007	013																					301
290-299	002	000	005	026	003																				364
300-309	004	003	000	000	002																				439
310-319	007	006	019	036																					408
320-329	009	008	012	043																					412
330-339	009	000	016	024																					349
340-349	001	007	000	005																					293
350-359	001	011	002	004																					258
	2753		200		0		0		0		0		0		0		0		0		0		0		6131
	2107	1066		5		0		0		0		0		0		0		0		0		0		0	

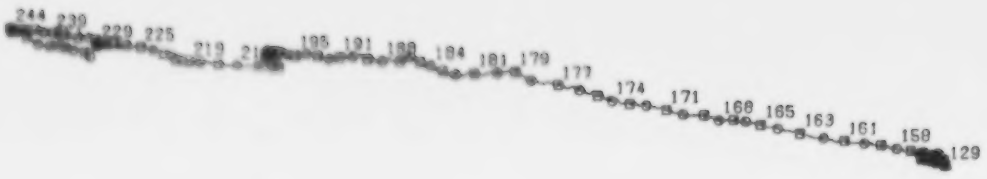
Number of zero rates: 0

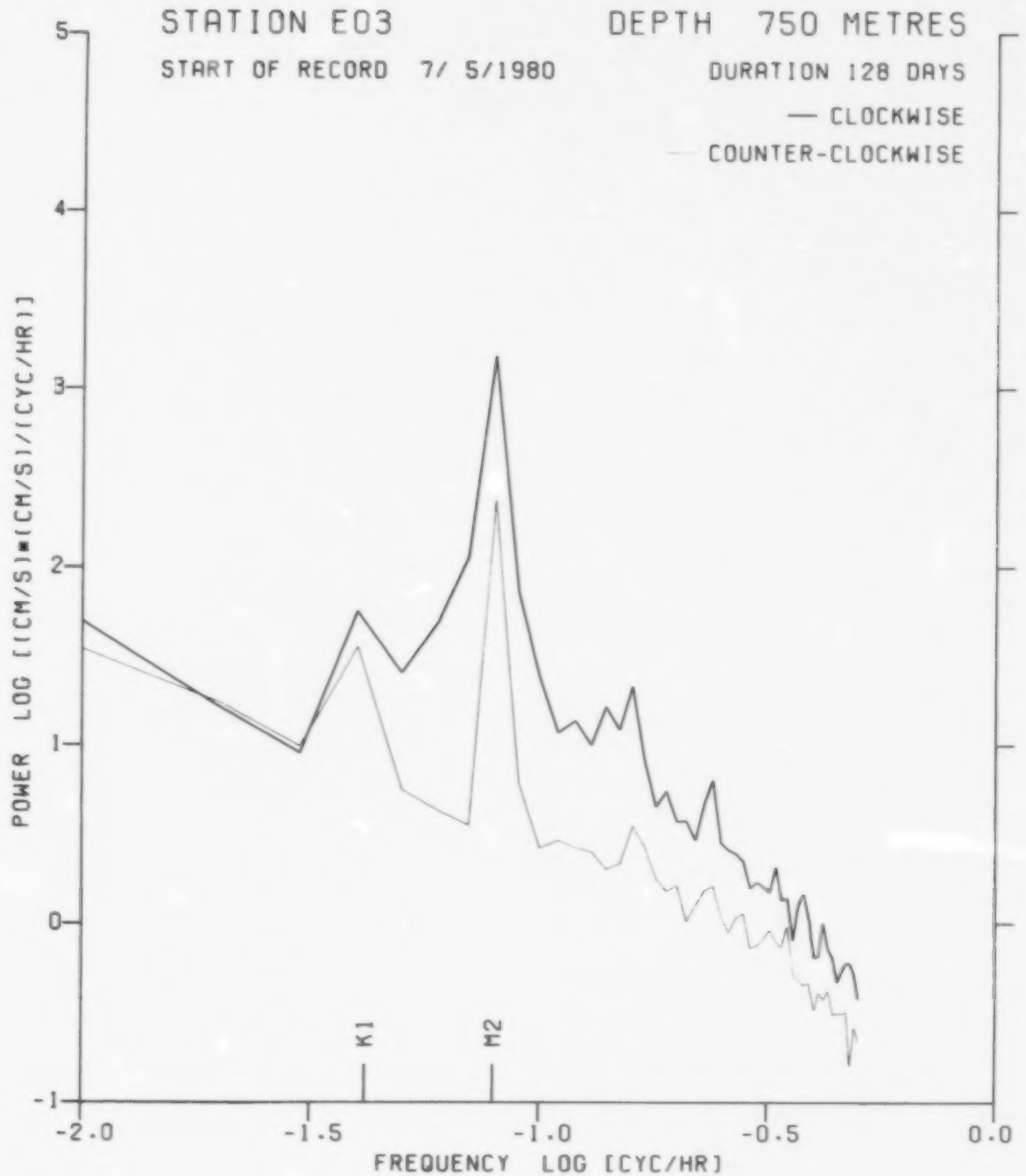
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

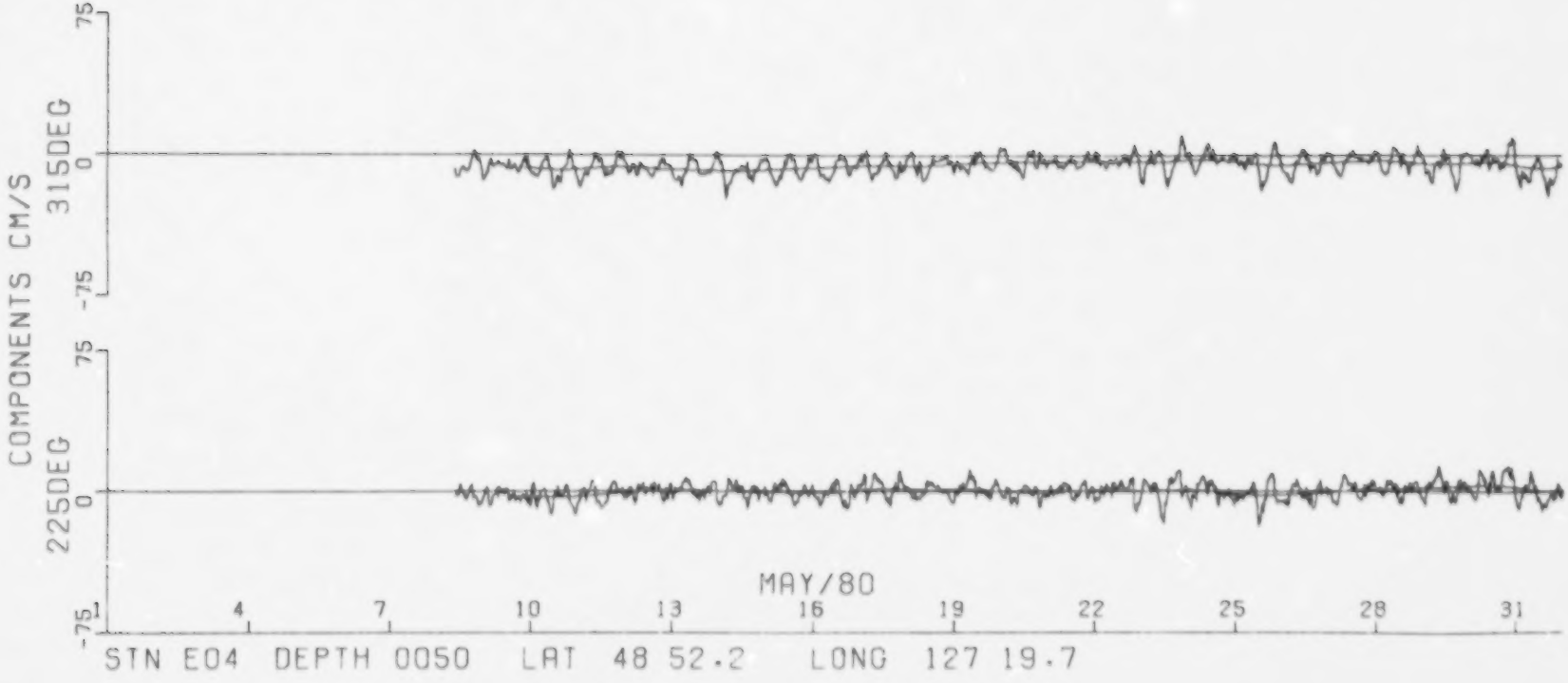
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

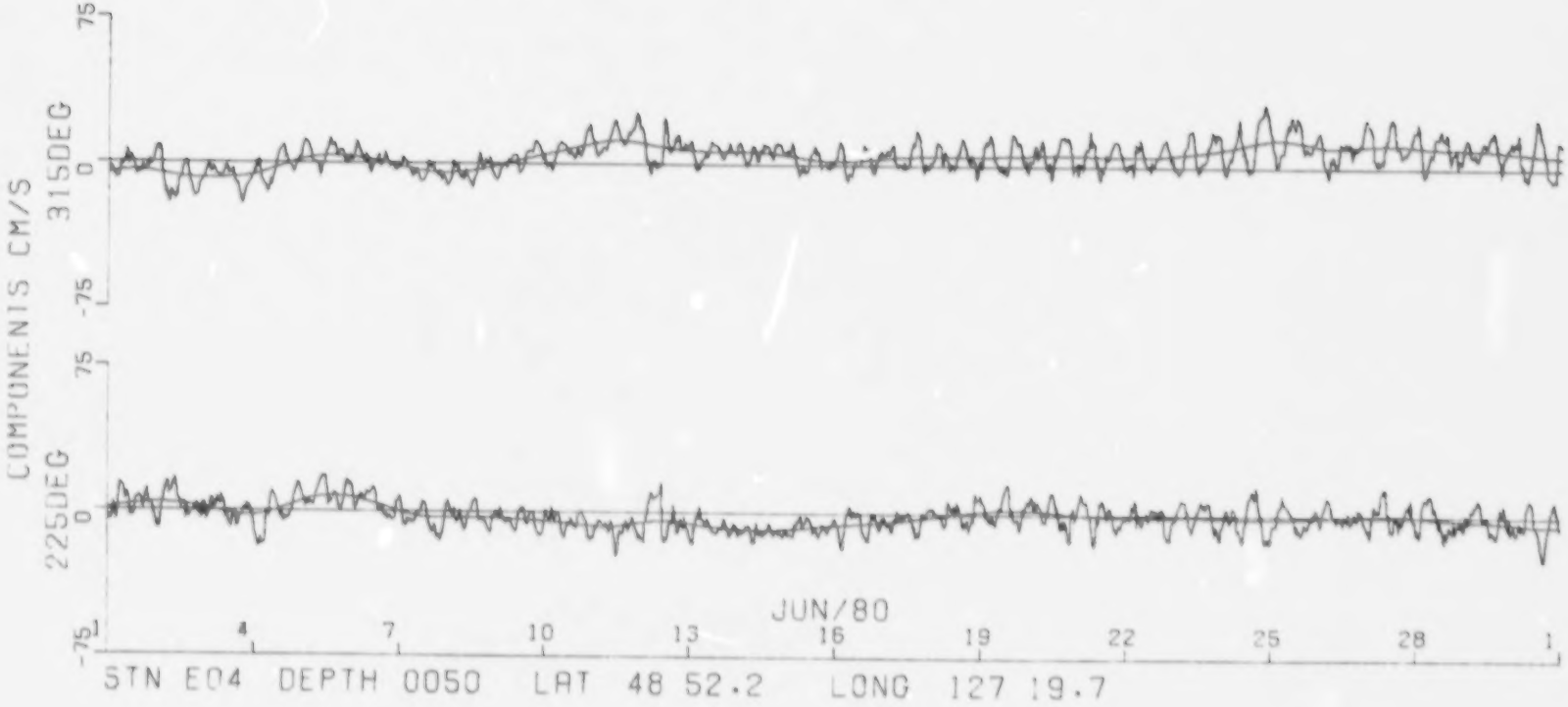
STN	DEPTH	AREA	DAY/YR	NO DAYS
E03	0750M	8600	128/80	128

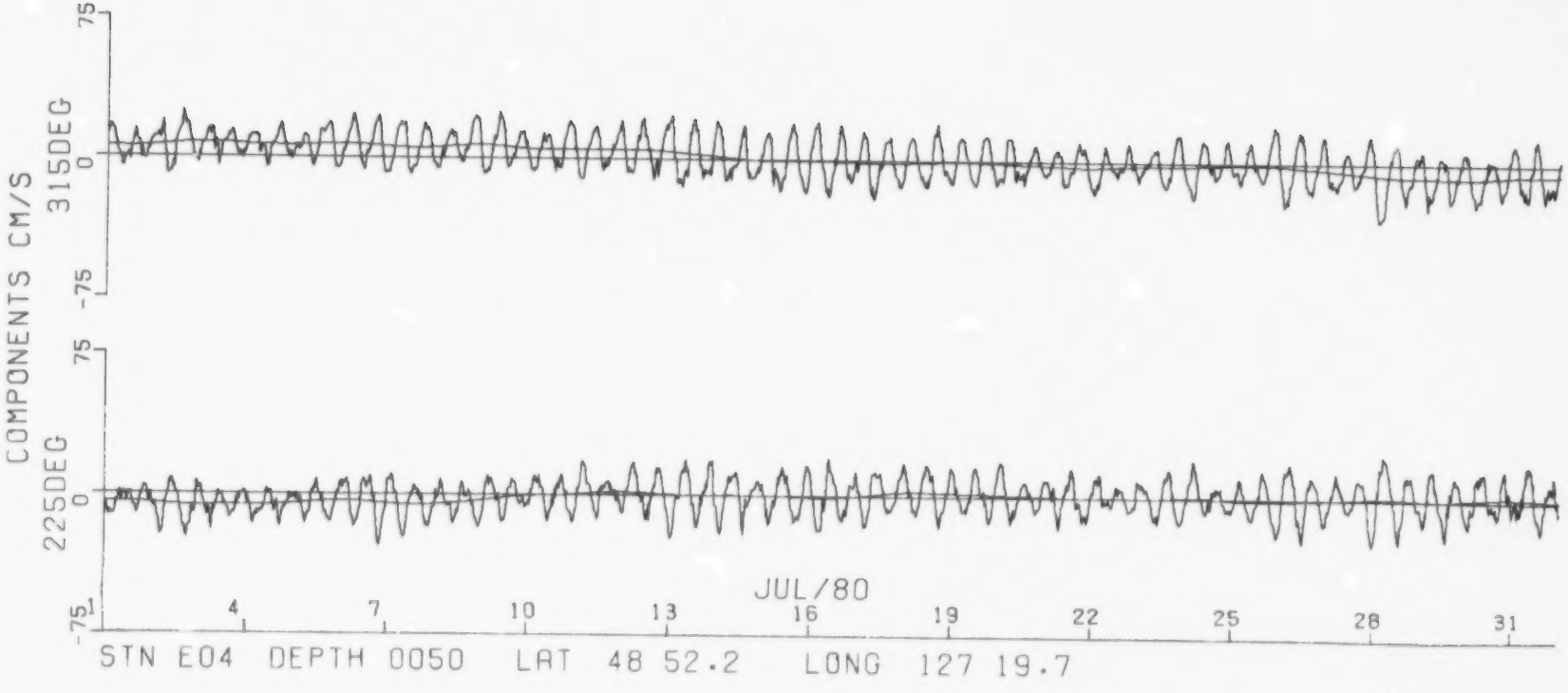
SCALE 100 KM

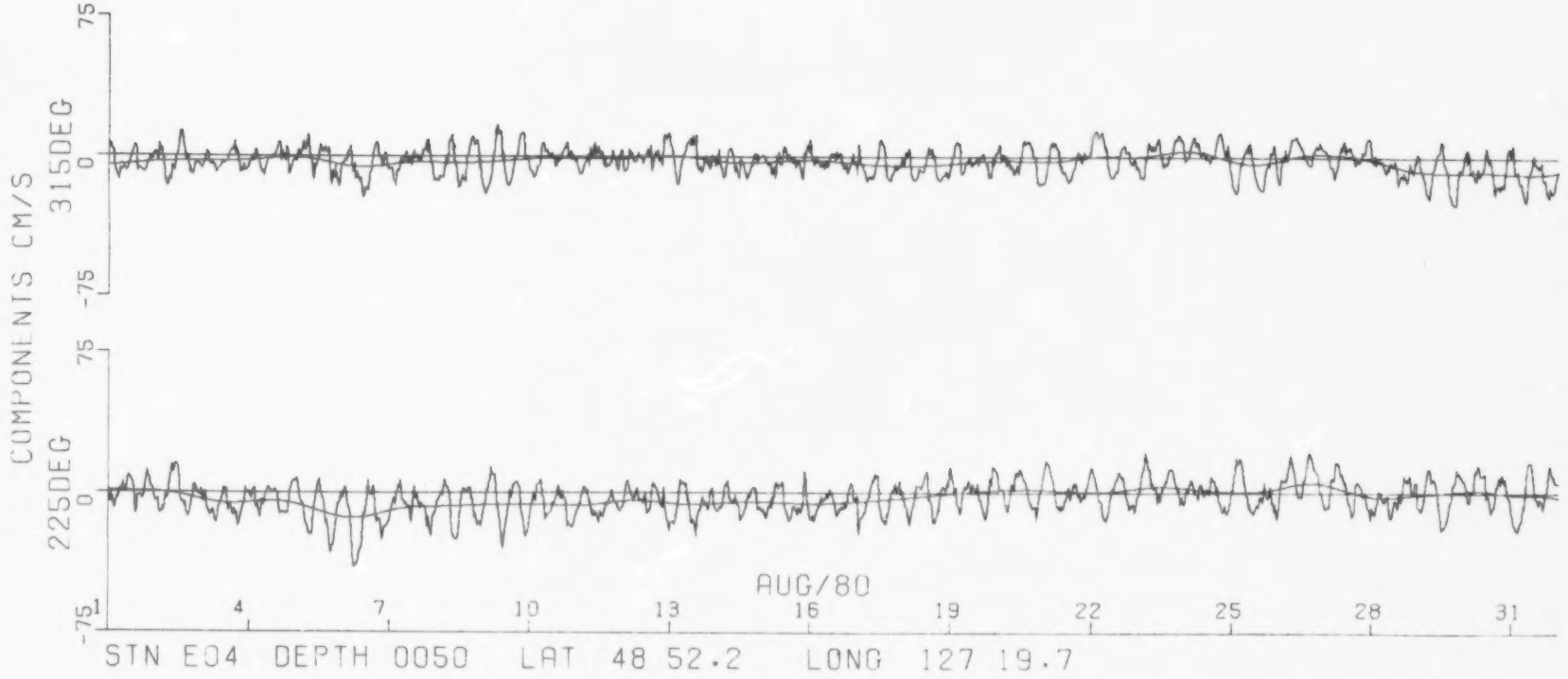


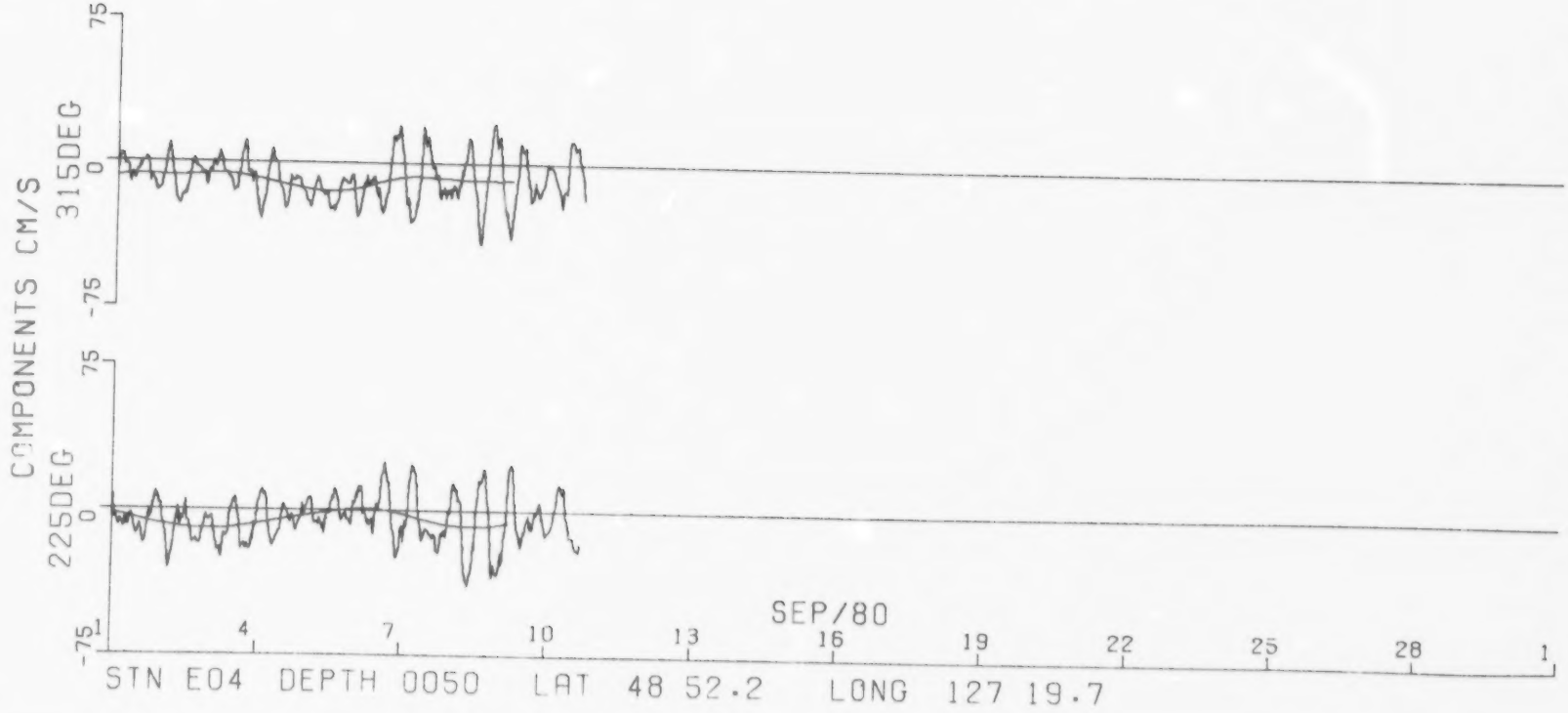

STATION E03
DEPTH 750 METRES
START OF RECORD 7/ 5/1980
DURATION 128 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0050 LAT 48 52.2 LONG 127 19.7


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 0050 LAT 48 52.2 LONG 127 19.7


COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0050 LAT 48 52.2 LONG 127 19.7


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0050 LAT 48 52.2 LONG 127 19.7


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
SEP/80
1
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 0050 LAT 48 52.2 LONG 127 19.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0050 ESTEVAN POINT 48 52.2 N 127 19.7 W Length of record=125 Days
Start of record 30 mn 9 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	026	055	062	046	018	006																				205
10- 19	021	045	064	031	013	005	001																			180
20- 29	025	065	059	024	009	002	002	001																		187
30- 39	039	063	049	017	010	002	002																			182
40- 49	033	070	044	026	013	001	004	001																		192
50- 59	023	055	056	029	016	004	002	003	002																	190
60- 69	044	083	037	029	017	001	003	007																		221
70- 79	024	075	041	027	008	002	004	001																		182
80- 89	041	080	044	022	007	004	002	001																		201
90- 99	023	066	042	027	011	004	002	001																		176
100-109	028	067	068	020	009	001	001	002																		196
110-119	030	073	046	035	012	003	001																			200
120-129	026	094	073	036	014	003	002																			248
130-139	030	070	077	028	012	002	002	002																		223
140-149	018	066	069	026	011	005	002	001	001																	199
150-159	036	083	065	029	010	002	002	001																		228
160-169	035	081	043	032	018	003	006																			218
170-179	023	077	037	030	014	003	002																			186
180-189	040	074	036	023	009	003	002																			187
190-199	030	048	036	016	006	002																				138
200-209	028	052	028	021	006	001																				136
210-219	027	056	028	016	004	001																				132
220-229	019	050	037	013	002																					121
230-239	031	032	028	015																						106
240-249	025	039	024	008	002																					98
250-259	021	024	022	008	001																					76
260-269	017	040	020	014	003																					94
270-279	022	031	030	011	001																					95
280-289	013	023	037	012	001	001																				87
290-299	014	038	038	013	006																					109
300-309	015	031	045	027	006	004																				128
310-319	011	032	064	026	013	003																				149
320-329	017	047	053	029	016	005	001																			168
330-339	018	043	051	043	020	008	002																			185
340-349	016	052	060	039	016	005	001																			189
350-359	026	048	064	035	024	004																				201
	2028		883		90		21		0		0		0		0		0		0		0		0		0	6013
	915	1677		350		46		3		0		0		0		0		0		0		0				

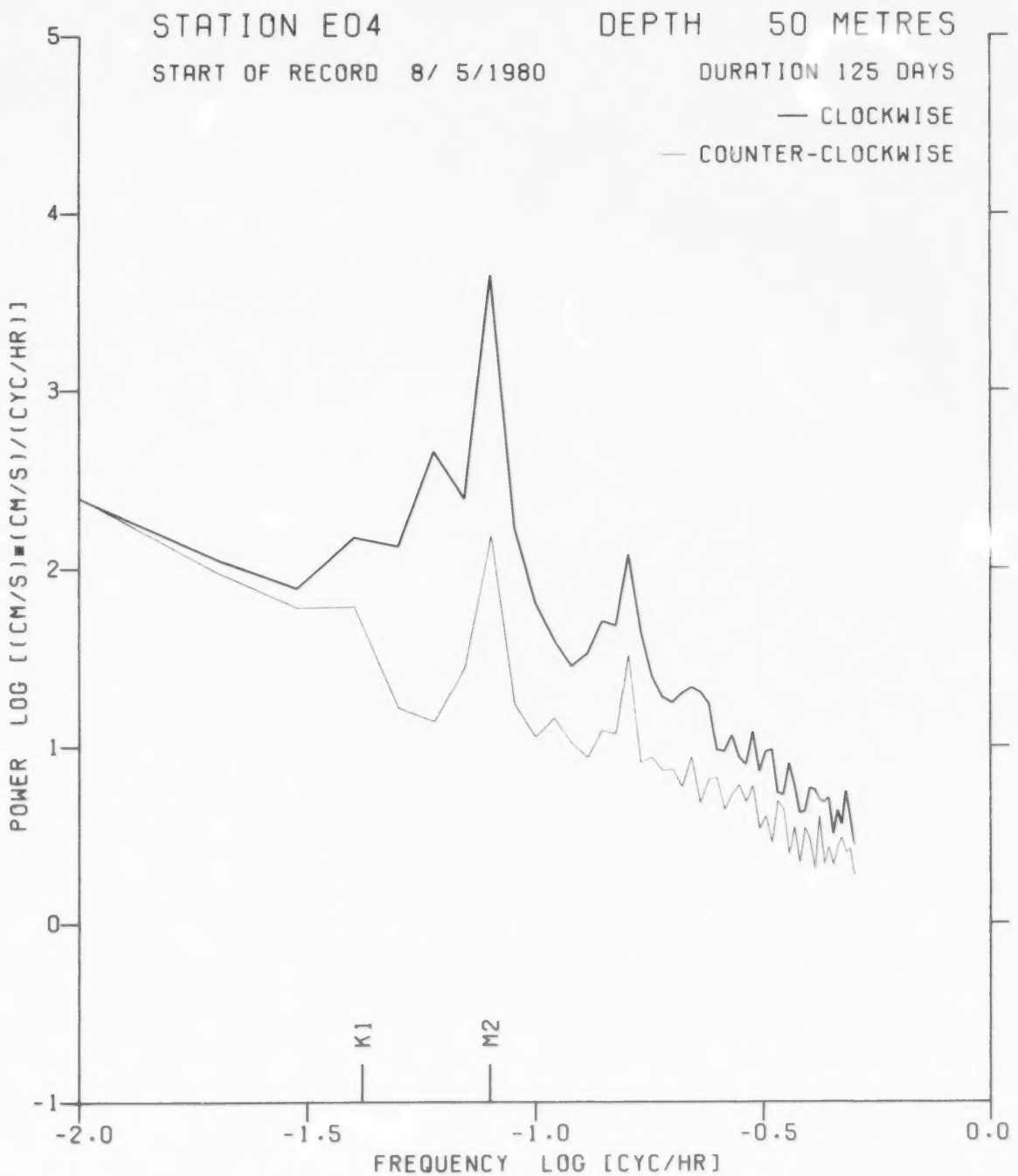
Number of zero rates: 1

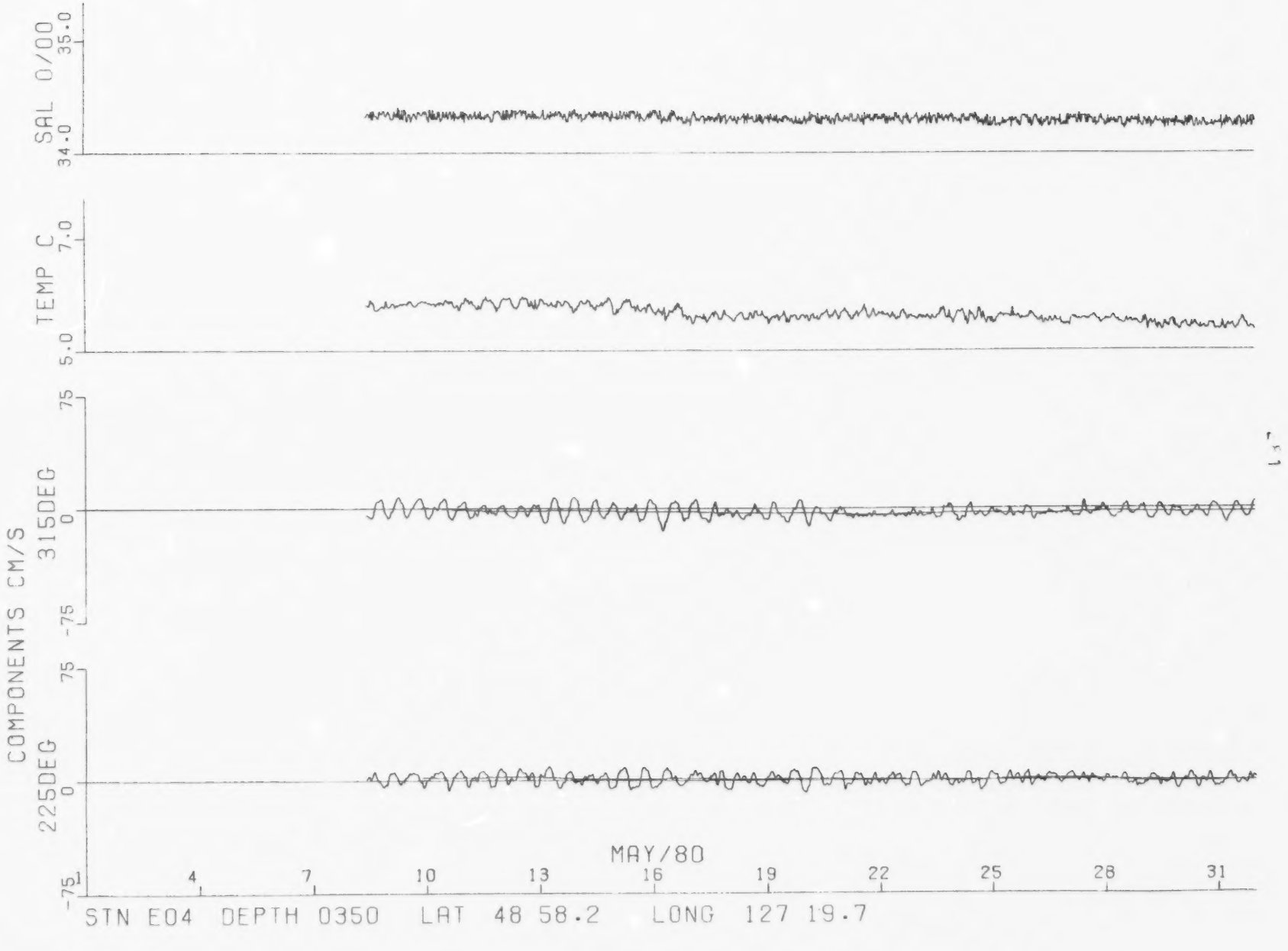
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

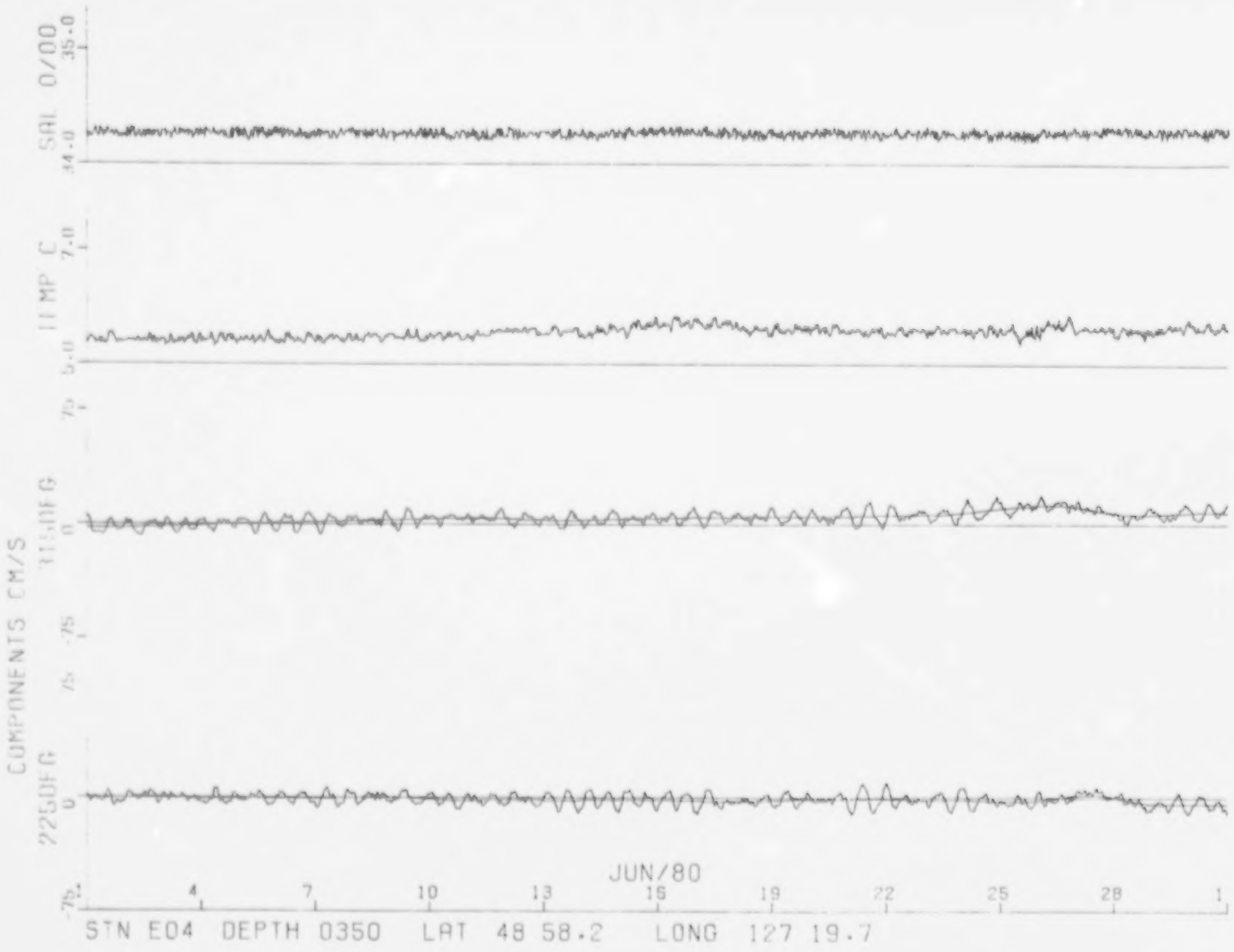
□ ODD NUMBERED DAYS
Ⓓ EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0050M	8600	129/80	125

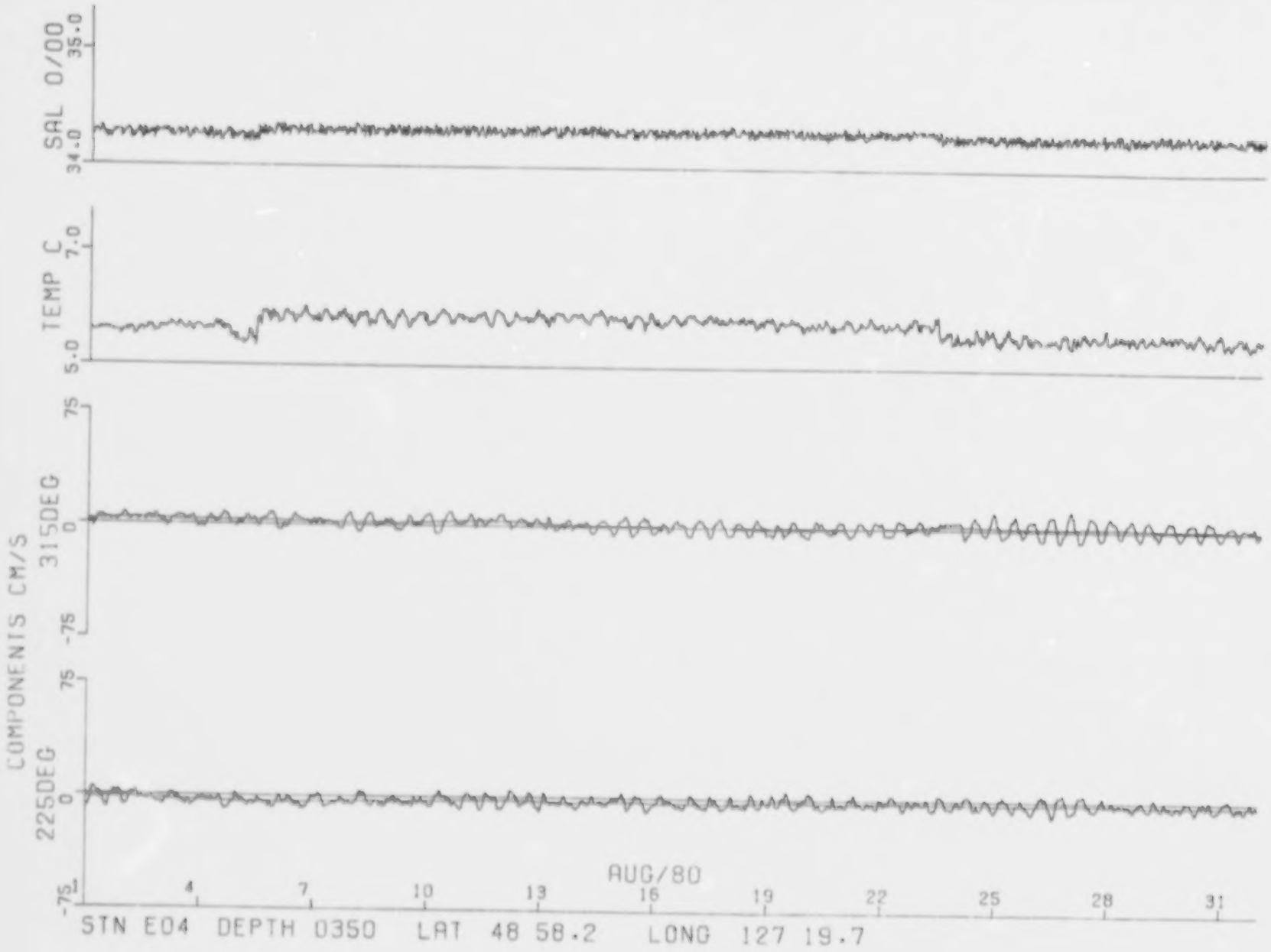
SCALE 100 KM


STATION E04
DEPTH 50 METRES
START OF RECORD 8/ 5/1980
DURATION 125 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
34.0
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0350 LAT 48 58.2 LONG 127 19.7


SAL 0/00
35.0
34.0
TEMP C
7.0
5.0
225DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 0350 LAT 48 58.2 LONG 127 19.7

STN E04 DEPTH 0350 LAT 48 58.2 LONG 127 19.7
JUL/80
1
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
5.0
7.0
34.0
35.0


SAL 0/00
35.0
34.0
TEMP C
7.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0350 LAT 48 58.2 LONG 127 19.7

STN E04 DEPTH 0350 LAT 48 58.2 LONG 127 19.7
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL O/OO
75
0
-75
5.0
7.0
34.0
35.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0350 ESTEVAN POINT 48 58.2 N 127 19.7 W Length of record=127 Days
Start of record 0 mn 10 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	104	139	022																							265
10- 19	091	136	017																							244
20- 29	105	106	006																							217
30- 39	083	099	001																							183
40- 49	082	087	002																							171
50- 59	081	075																								156
60- 69	072	060																								132
70- 79	085	057																								142
80- 89	071	058	002																							131
90- 99	065	069	002																							136
100-109	085	088	004																							177
110-119	073	092	006																							171
120-129	083	106	008																							197
130-139	087	097	004																							188
140-149	075	081	006																							162
150-159	050	072	001	002																						125
160-169	071	053	006																							130
170-179	066	053	007																							126
180-189	052	033	009																							94
190-199	060	032	003																							95
200-209	072	022	002																							96
210-219	049	020																								69
220-229	052	032																								84
230-239	054	036																								90
240-249	053	035																								88
250-259	048	040	002																							90
260-269	049	031	002																							82
270-279	068	053	004																							125
280-289	068	071	011																							150
290-299	079	086	023	003																						191
300-309	081	080	015	008																						184
310-319	093	109	023	008																						233
320-329	103	129	040	010																						282
330-339	104	204	044	008																						360
340-349	123	199	063	005																						390
350-359	112	179	046	005																						342
	2919		49		0		0		0		0		0		0		0		0		0		0		0	6098
	2749		381		0		0		0		0		0		0		0		0		0		0		0	

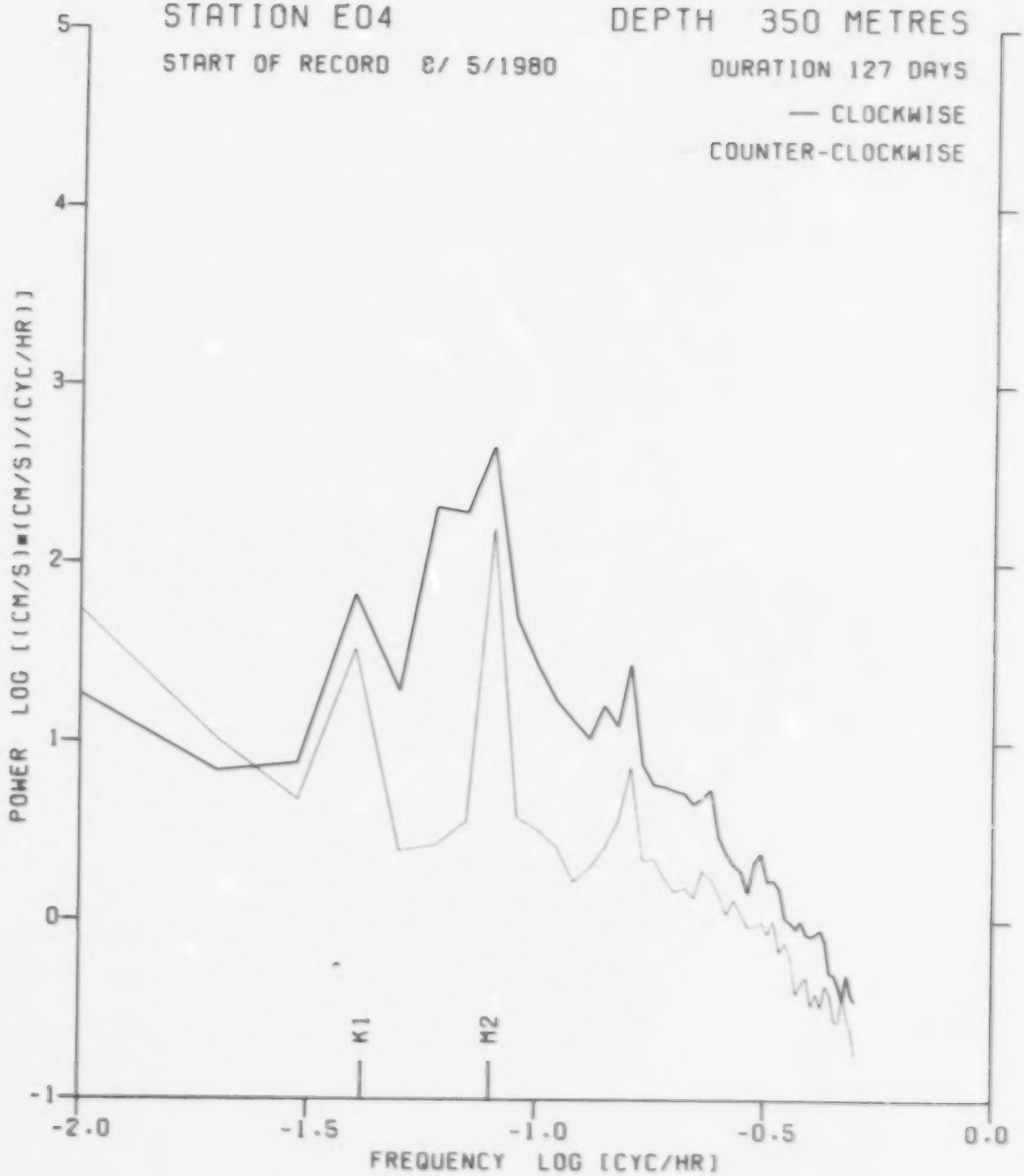
Number of zero rates: 0

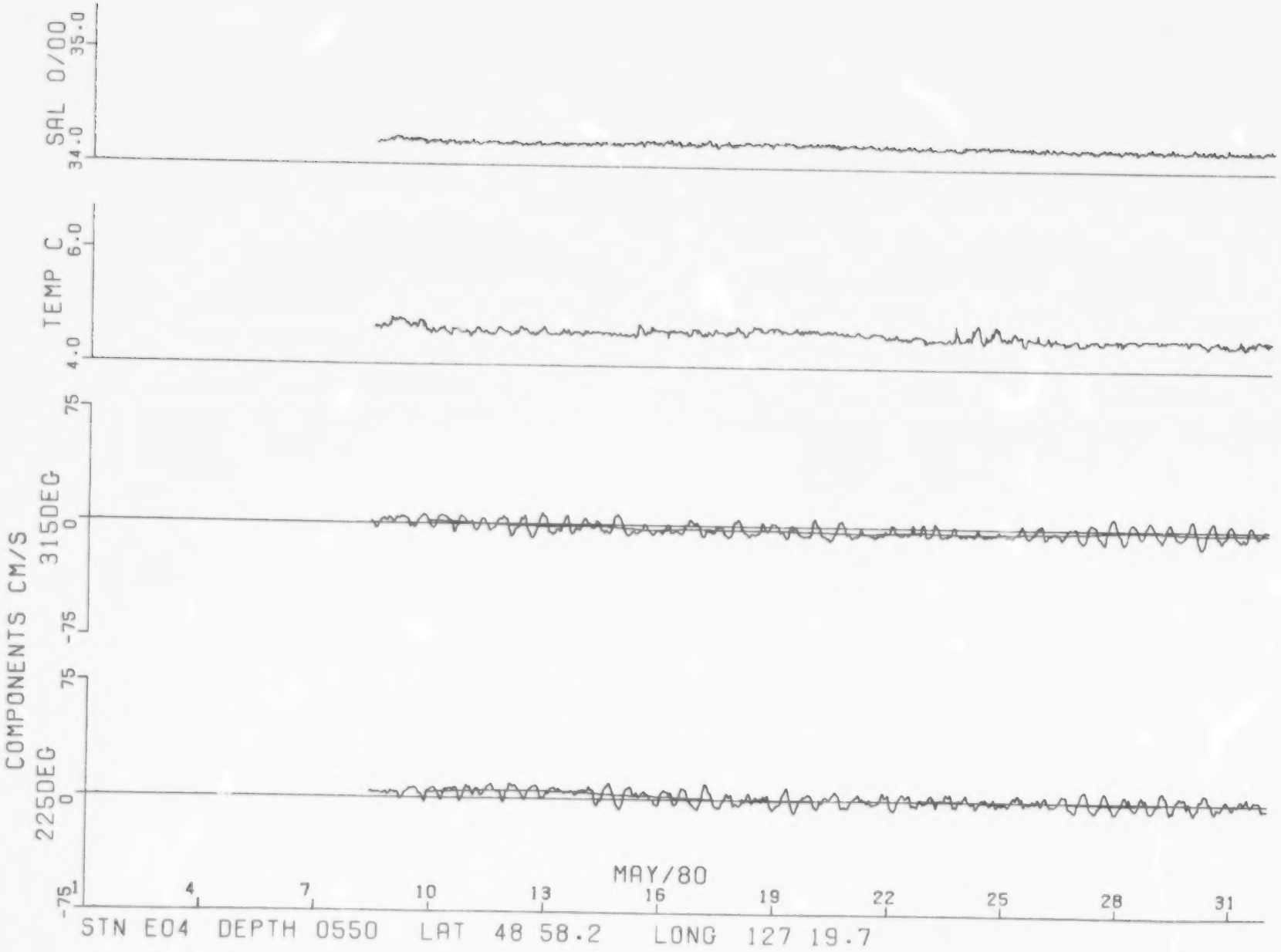
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

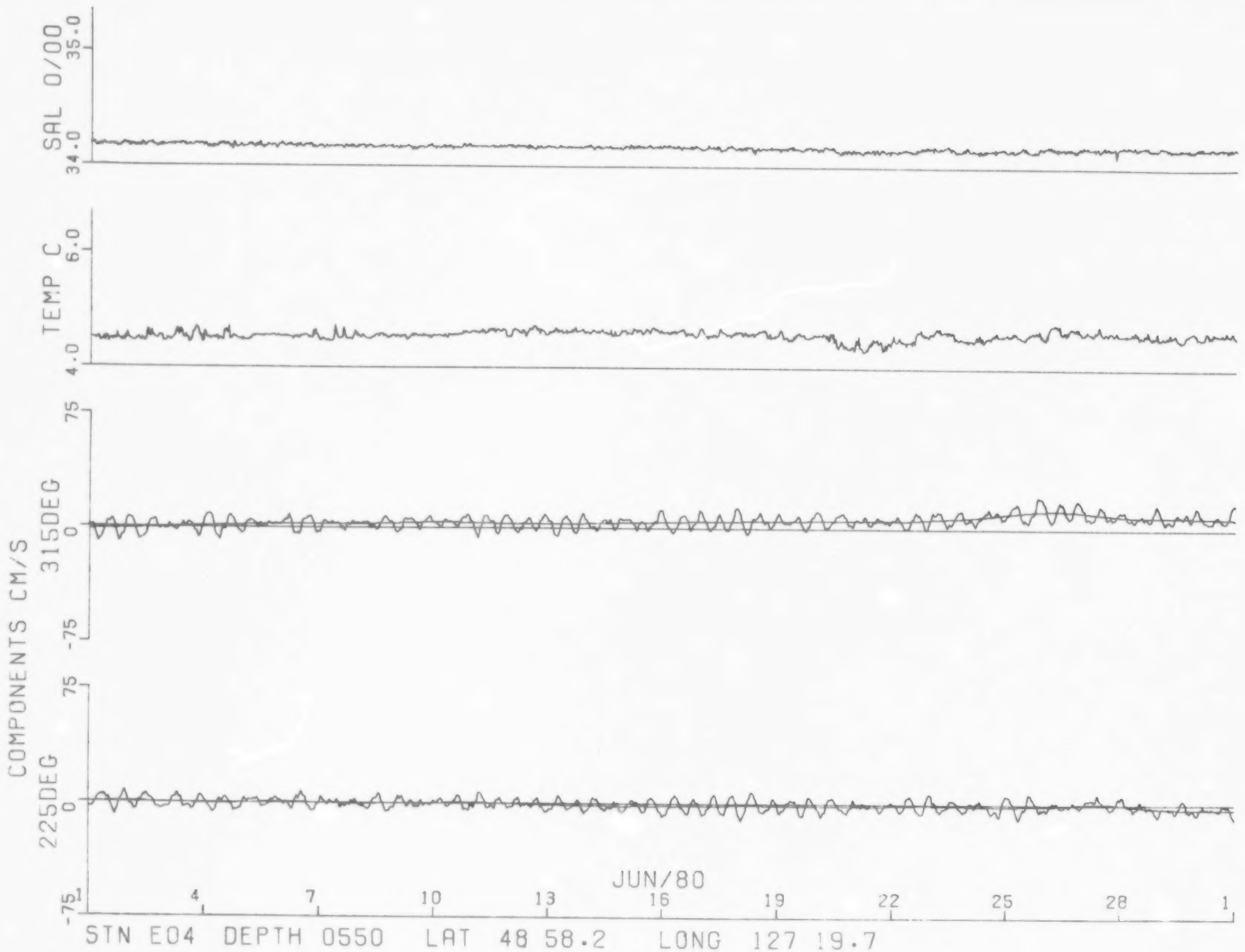
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

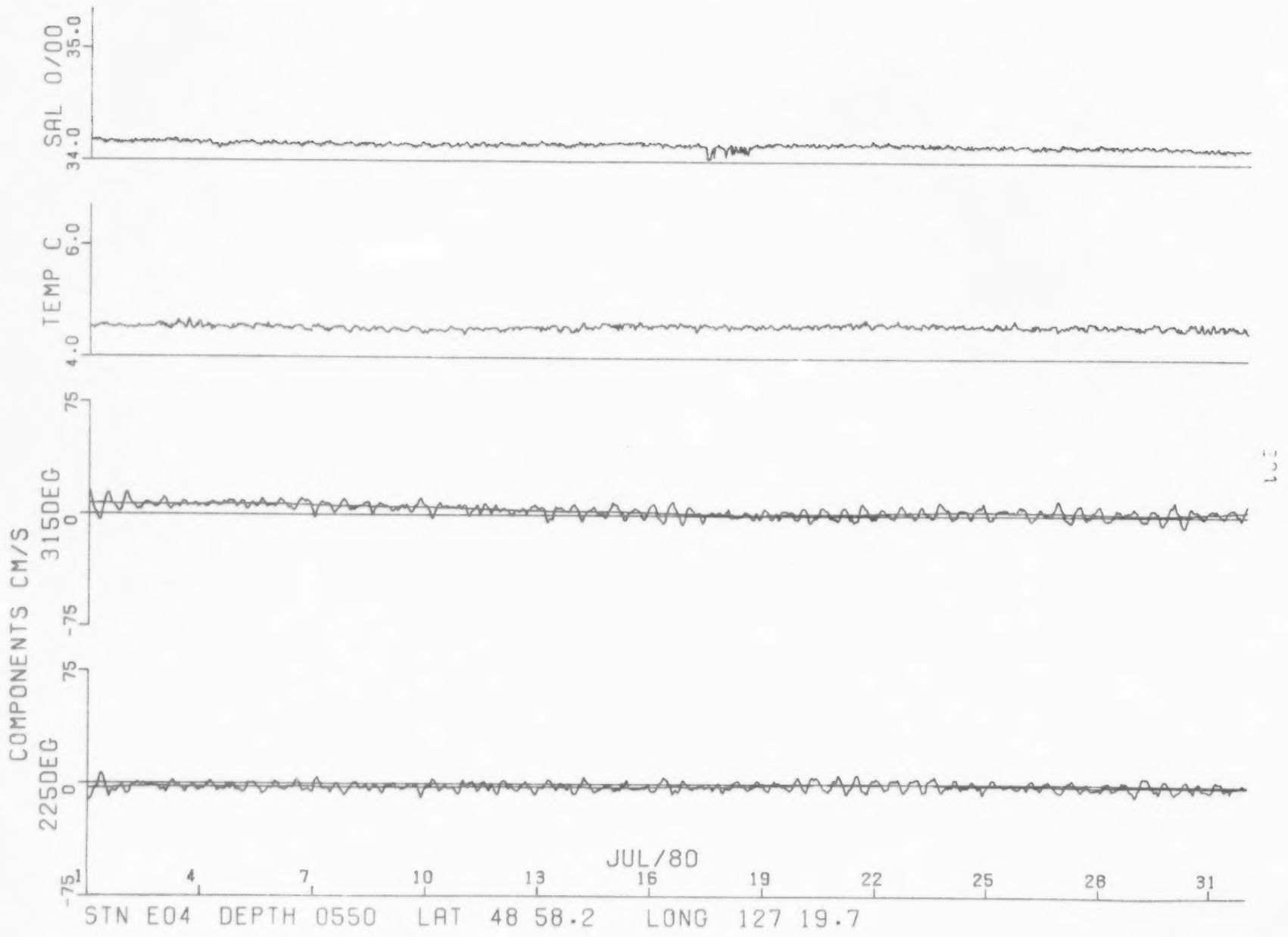
SIN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0350M	8600	129/80	127

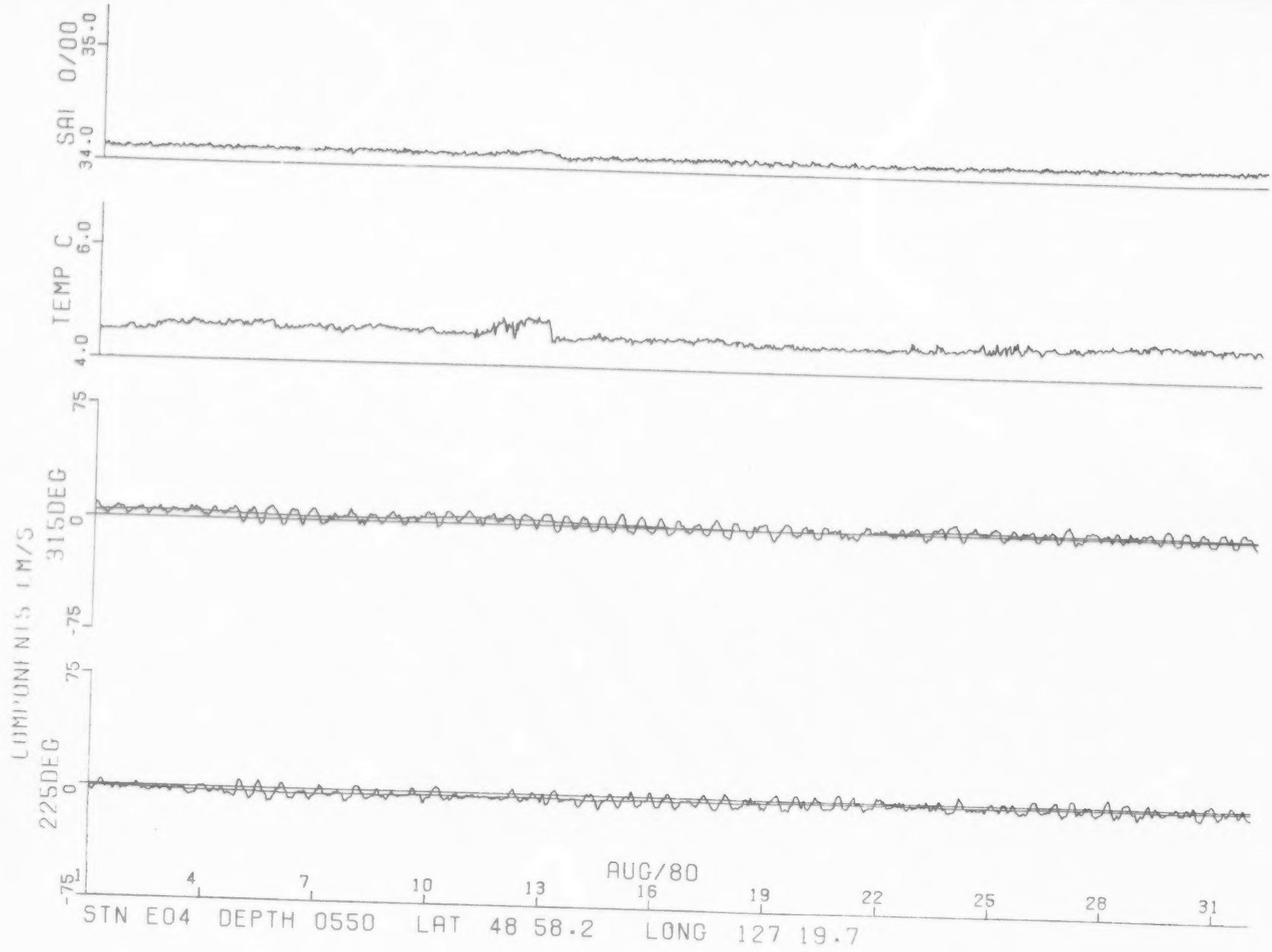
SCALE ⊢——————————⊣
100 KM


STATION E04
DEPTH 350 METRES
START OF RECORD 8/ 5/1980
DURATION 127 DAYS
— CLOCKWISE
COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
MAY/80
STN E04 DEPTH 0550 LAT 48 58.2 LONG 127 19.7


SAL O/OO
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 0550 LAT 48 58.2 LONG 127 19.7


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0550 LAT 48 58.2 LONG 127 19.7


SAL 0/00
35.0
34.0
TEMP C
6.0
4.0
315DEG
75
0
-75
225DEG
75
0
-75
LUMINANCE CM/S
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 0550 LAT 48 58.2 LONG 127 19.7

STN E04 DEPTH 0550 LAT 48 58.2 LONG 127 19.7
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
34.0
35.0
4.0
6.0
75
0
-75

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 0550 ESTEVAN POINT 48 58.2 N 127 19.7 W Length of record=127 Days
Start of record 0 mn 10 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	135	138	009																							282
10- 19	113	095	004																							212
20- 29	103	062																								165
30- 39	103	052																								155
40- 49	077	040																								117
50- 59	066	034																								100
60- 69	086	024																								110
70- 79	071	024																								95
80- 89	064	033																								97
90- 99	074	038																								112
100-109	057	031																								88
110-119	078	056																								134
120-129	090	045																								135
130-139	071	058	001																							130
140-149	064	069	005																							138
150-159	072	070	003																							145
160-169	073	070	002																							145
170-179	076	059	003																							138
180-189	070	060	005																							135
190-199	075	042	002																							119
200-209	069	057	003																							129
210-219	051	032	001																							84
220-229	056	027																								83
230-239	063	027																								90
240-249	060	021																								81
250-259	048	030																								78
260-269	084	031	001																							116
270-279	076	036	001																							113
280-289	085	034	009																							128
290-299	077	056	016	001																						150
300-309	097	101	015	002																						215
310-319	137	144	027	013	002																					323
320-329	123	195	029	013	005																					365
330-339	115	278	050	011																						454
340-349	155	285	052	008																						500
350-359	142	262	029	003																						436
	2716		51		0		0		0		0		0		0		0		0		0		0		0	6097
	3056		267		7		0		0		0		0		0		0		0		0		0		0	

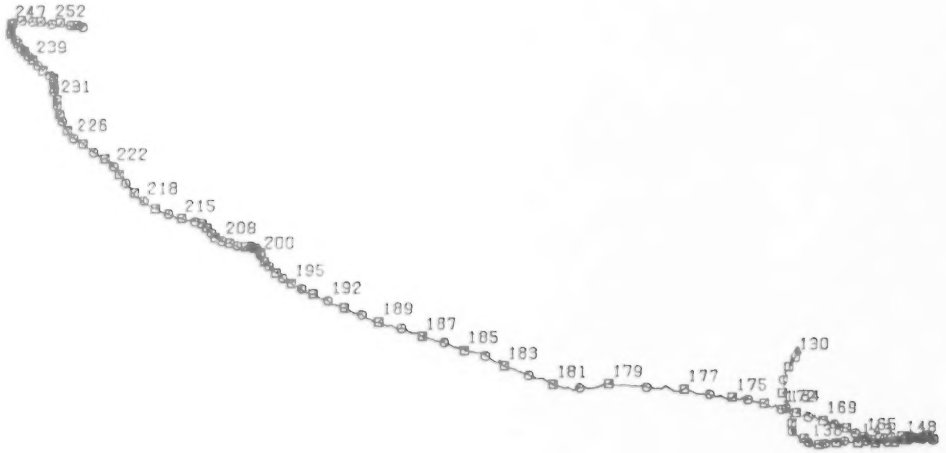
Number of zero rates: 1

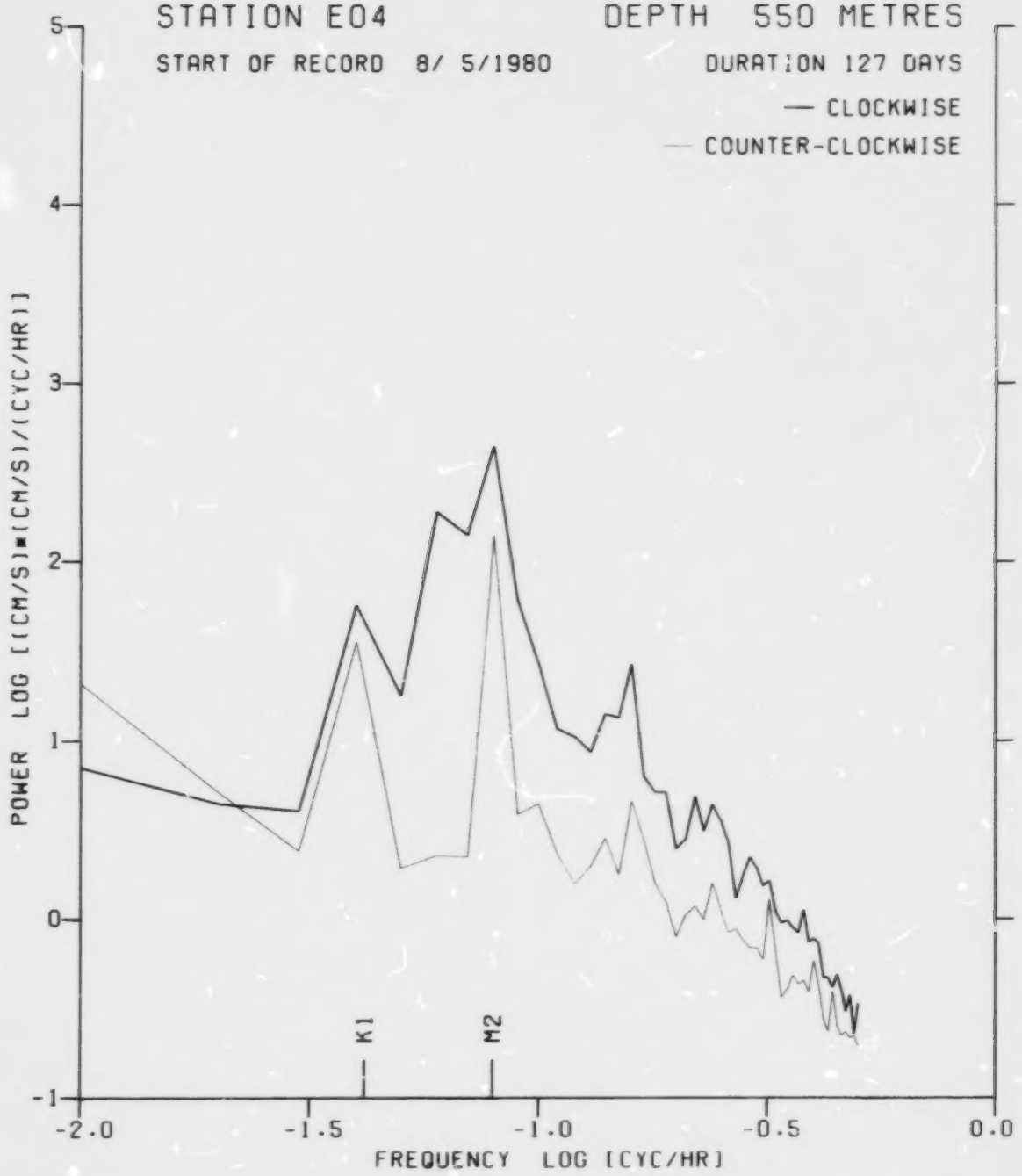
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

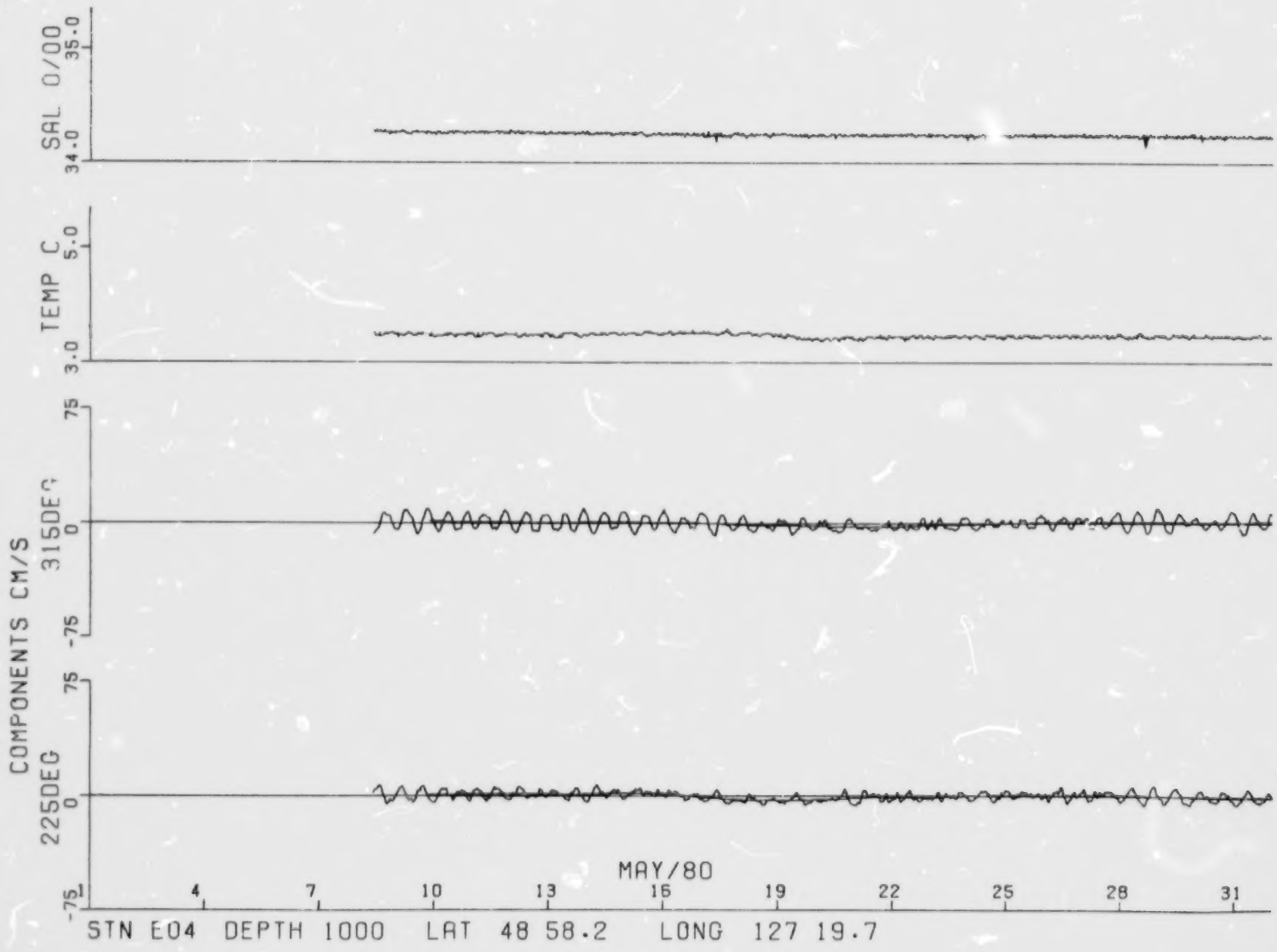
⊡ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

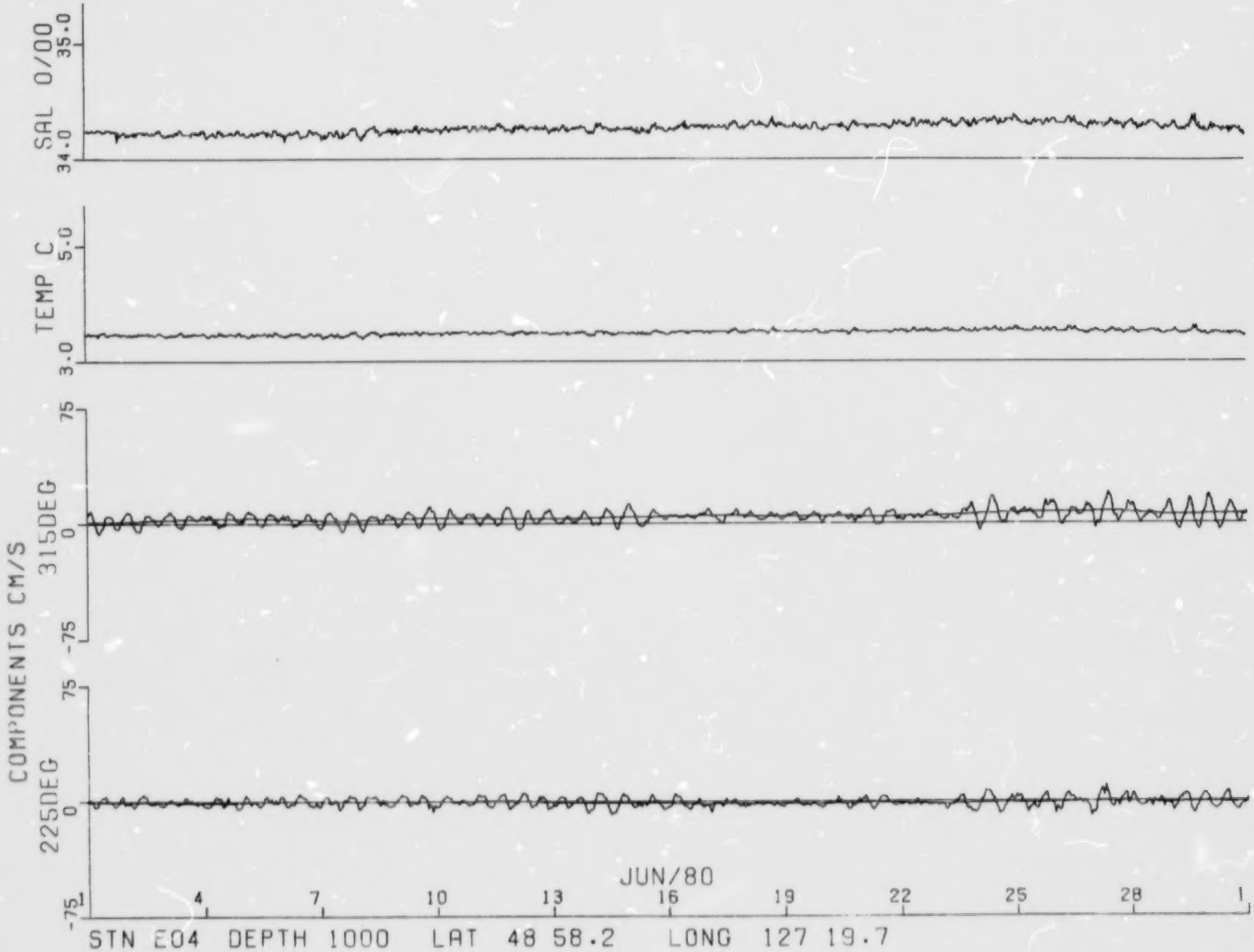
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	0550M	8600	129/80	127

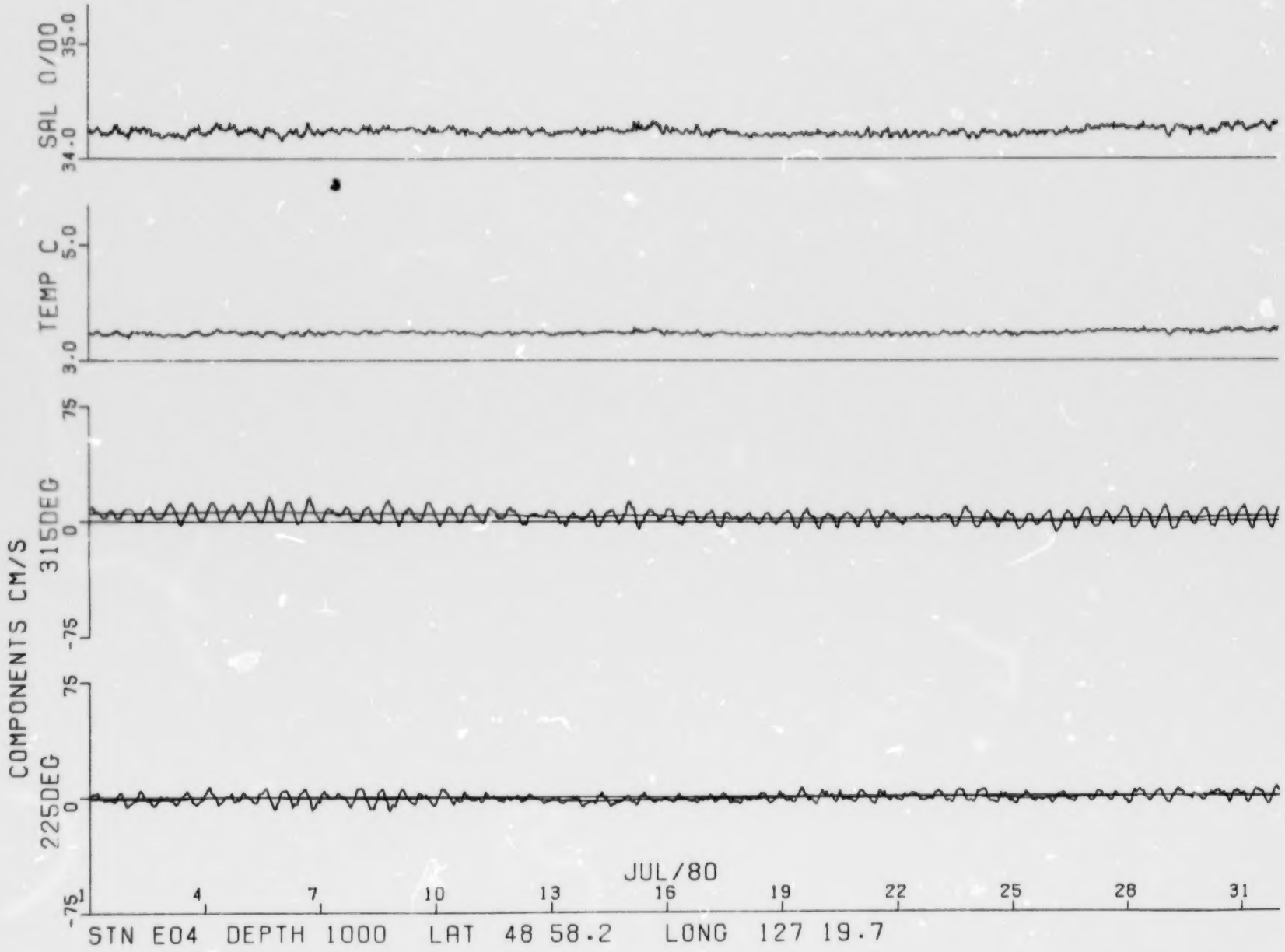
SCALE 100 KM

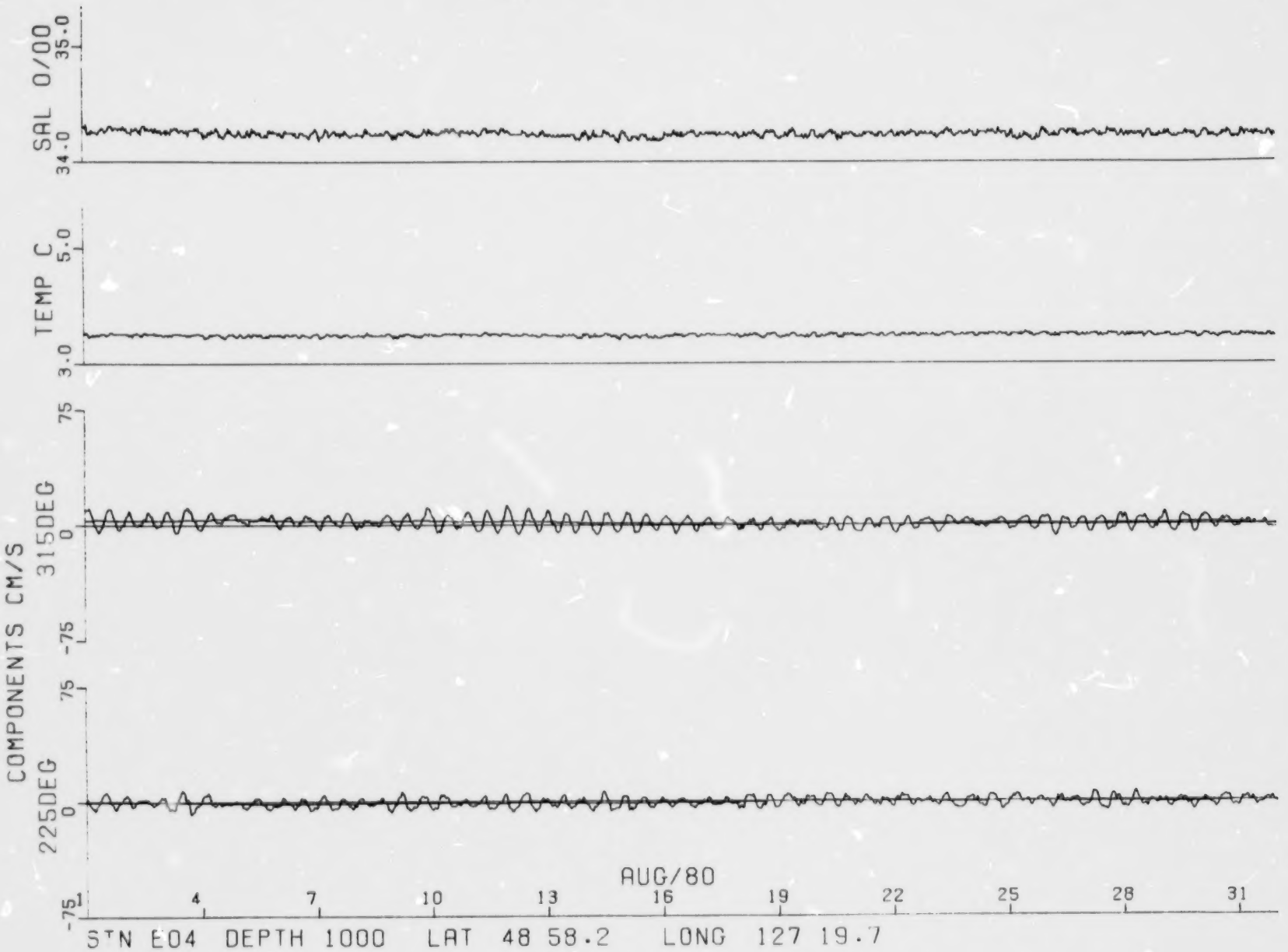


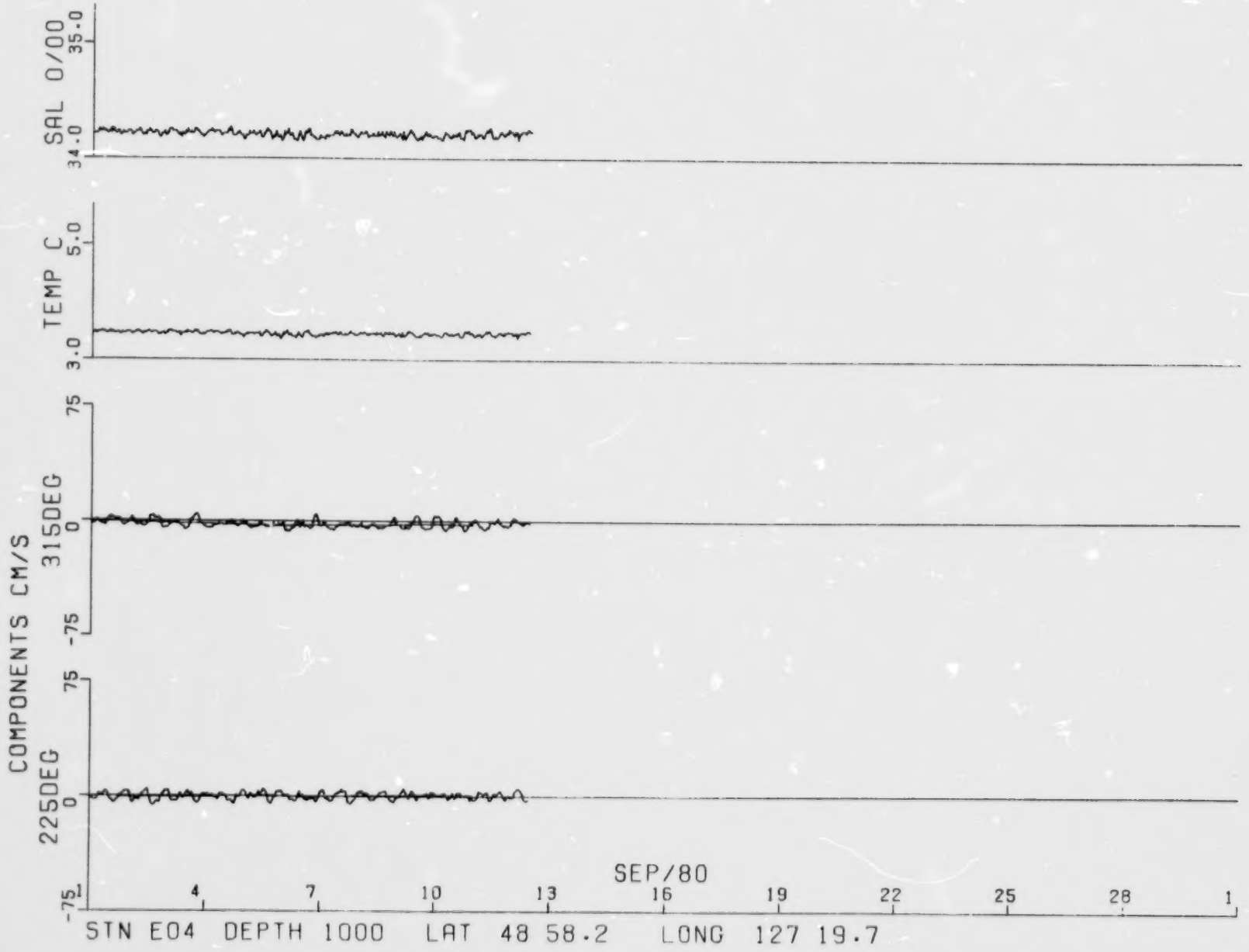

STATION E04
DEPTH 550 METRES
START OF RECORD 8/ 5/1980
DURATION 127 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1000 LAT 48 58.2 LONG 127 19.7


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 1000 LAT 48 58.2 LONG 127 19.7


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1000 LAT 48 58.2 LONG 127 19.7


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1000 LAT 48 58.2 LONG 127 19.7


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 1000 LAT 48 58.2 LONG 127 19.7

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 1000 ESTEVAN POINT 48 58.2 N 127 19.7 W Length of record=127 Days
Start of record 0 mn 10 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	128	107	005																							240
10- 19	120	054																								174
20- 29	109	028																								137
30- 39	091	021																								112
40- 49	083	007																								90
50- 59	089	018																								107
60- 69	085	007																								92
70- 79	076	015																								91
80- 89	078	020																								98
90- 99	097	013																								110
100-109	093	024																								117
110-119	106	032																								138
120-129	097	028																								125
130-139	104	029																								133
140-149	121	037																								158
150-159	103	051																								154
160-169	092	035																								127
170-179	097	035																								132
180-189	090	025																								115
190-199	088	013																								101
200-209	069	016																								85
210-219	088	011																								99
220-229	067	011																								78
230-239	077	016																								93
240-249	078	024																								102
250-259	088	017																								105
260-269	087	033																								120
270-279	099	049	002	001																						151
280-289	103	086	004	001																						194
290-299	107	084	016	004																						211
300-309	105	150	025	004																						284
310-319	128	197	041	008																						374
320-329	159	280	059	009																						507
330-339	150	264	027	003																						444
340-349	173	202	035	003																						413
350-359	126	141	020																							287
	2180		33		0		0		0		0		0		0		0		0		0		0		0	6098
	3651		234		0		0		0		0		0		0		0		0		0		0		0	

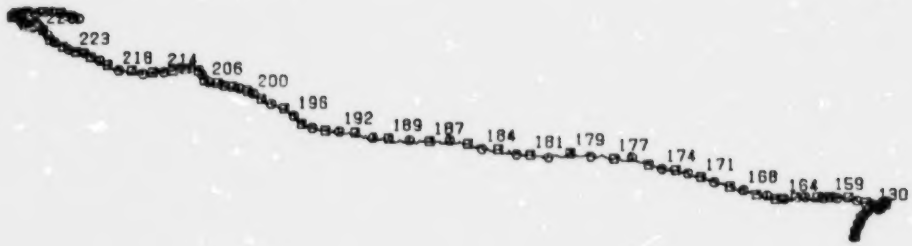
Number of zero rates: 0

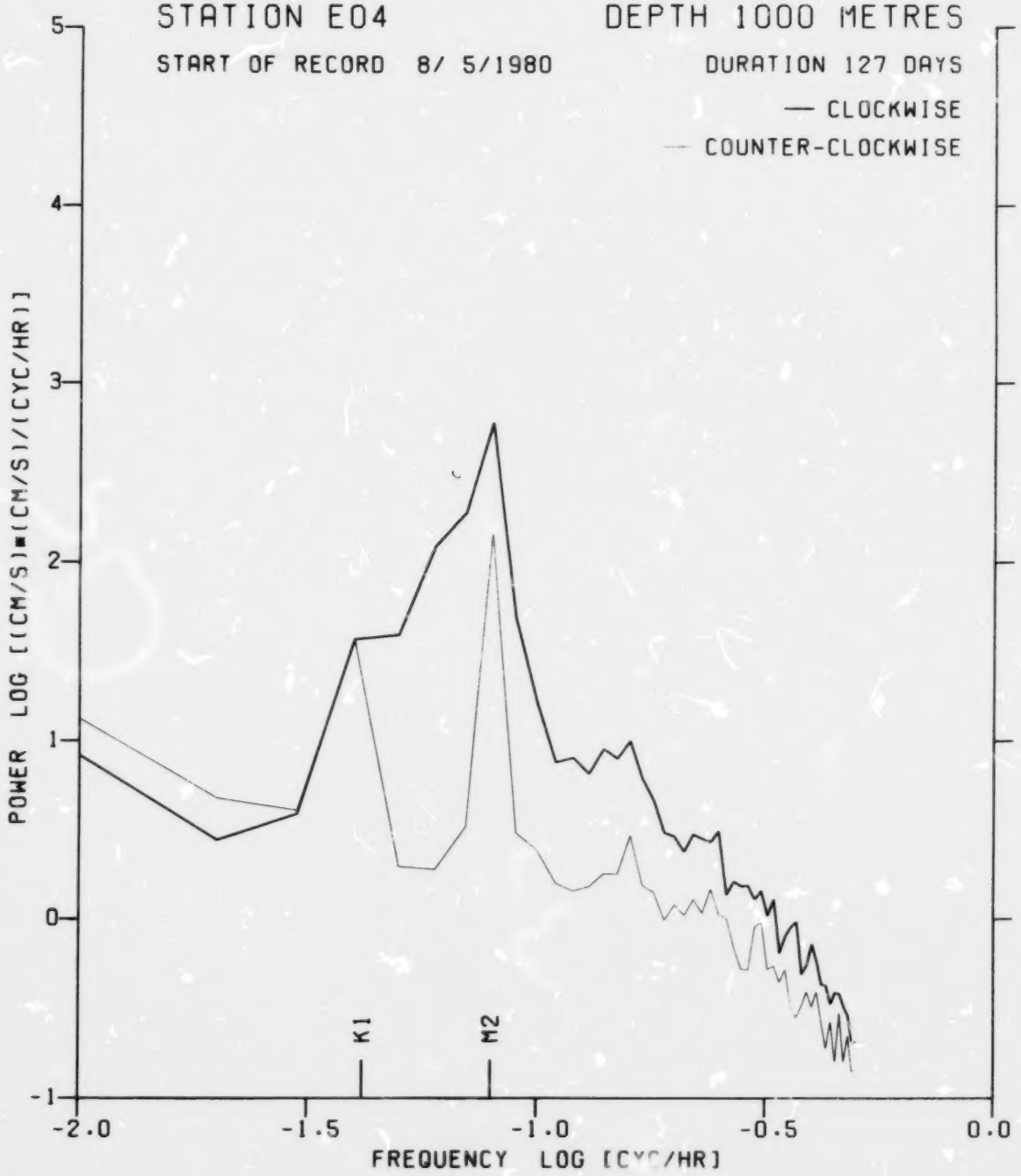
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

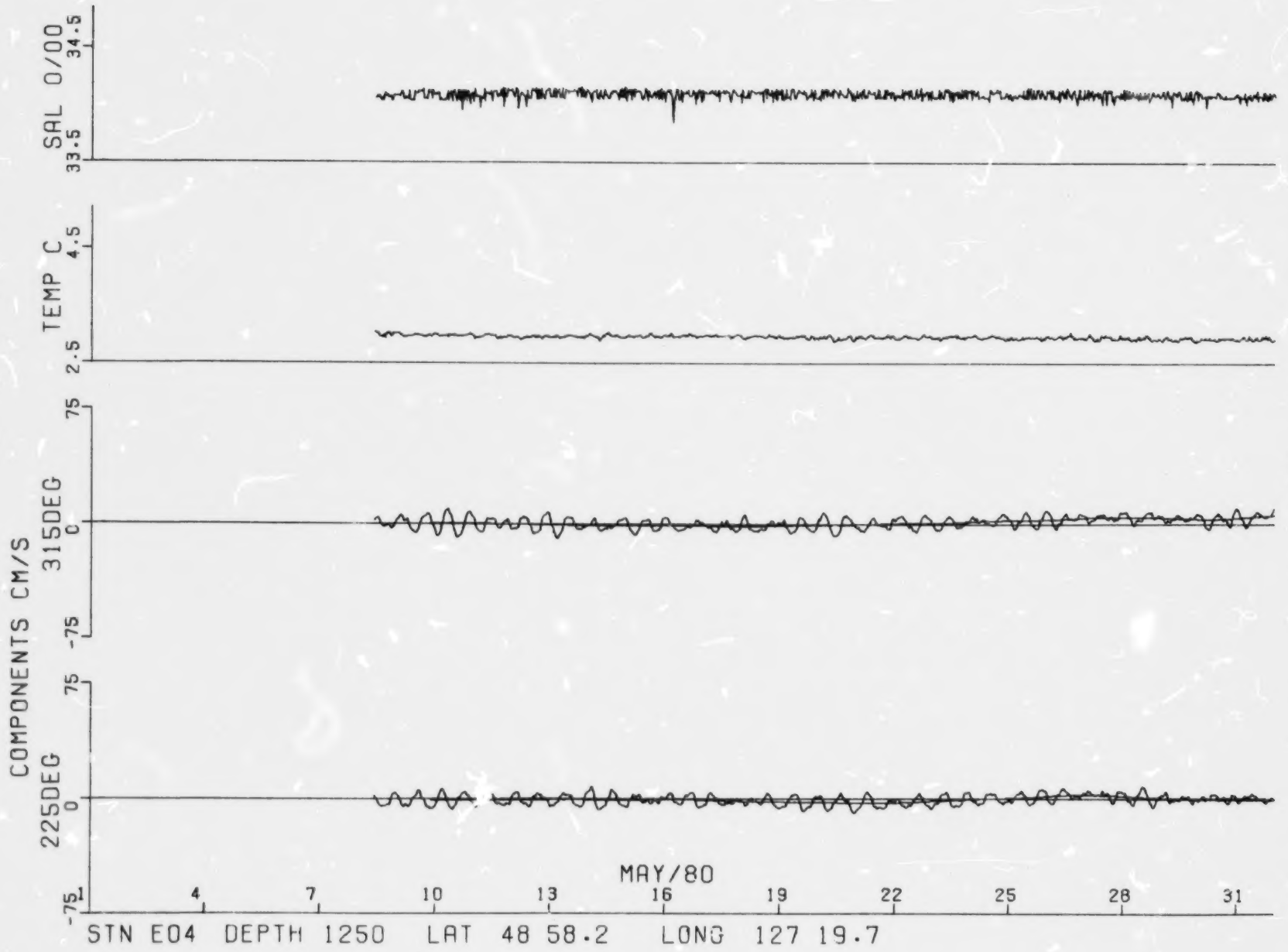
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

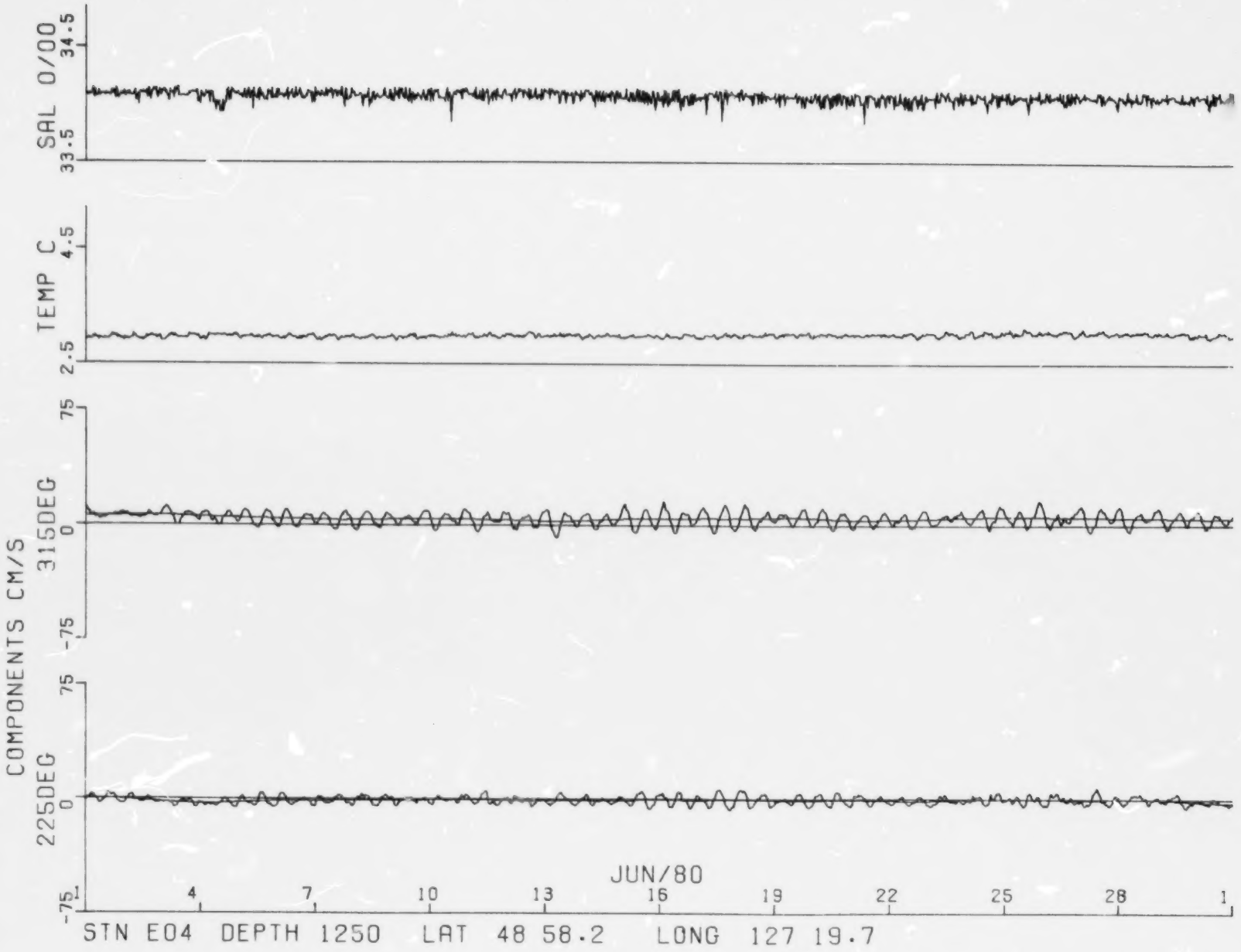
STN	DEPTH	AREA	DAY/YR	NO DAYS
E04	1000M	8600	129/80	127

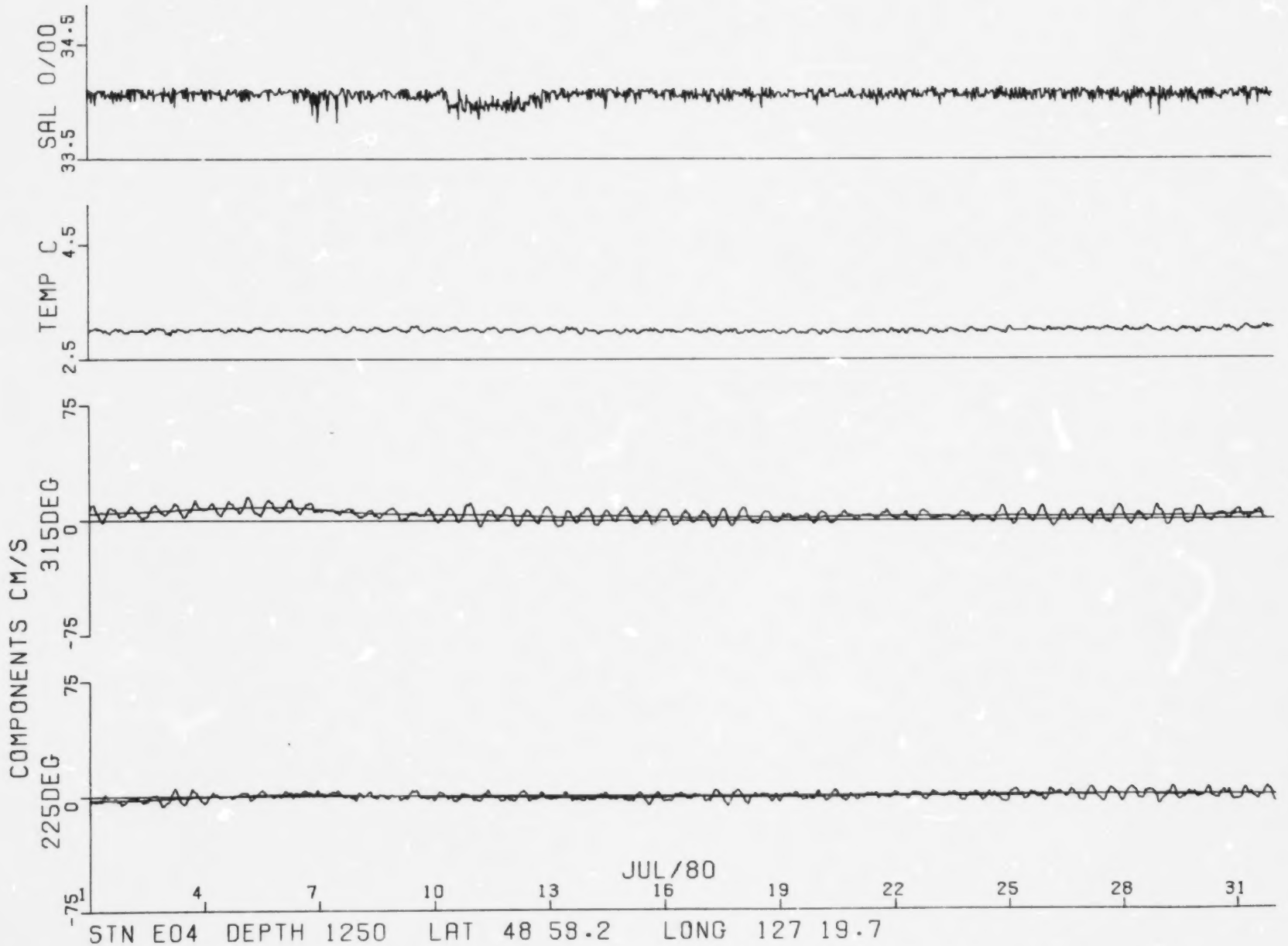
SCALE 100 KM

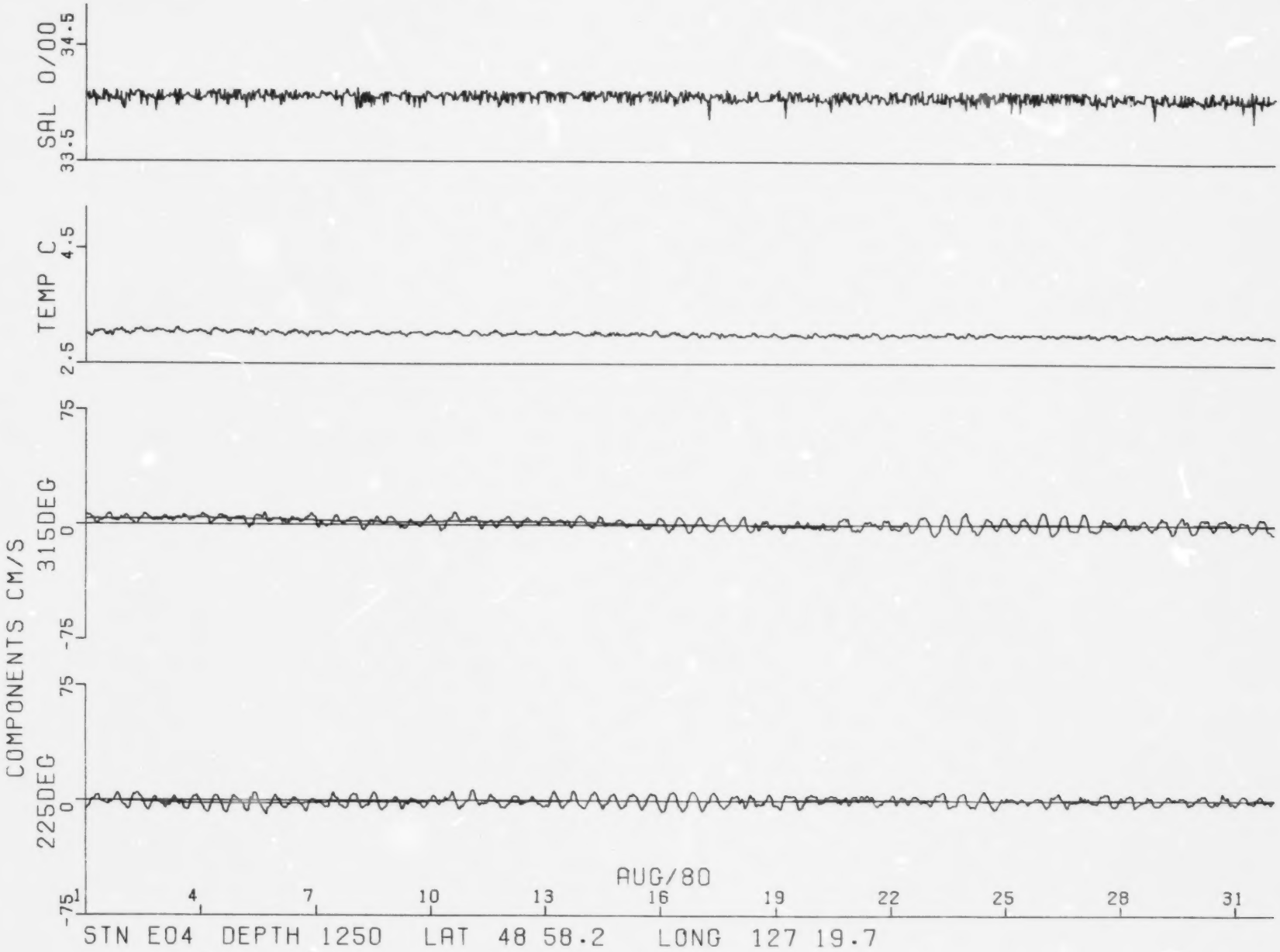



STATION E04
DEPTH 1000 METRES
START OF RECORD 8/ 5/1980
DURATION 127 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
34.5
33.5
TEMP C
4.5
2.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
MAY/80
STN E04 DEPTH 1250 LAT 48 58.2 LONG 127 19.7


SAL O/OO
34.5
33.5
TEMP C
4.5
2.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN E04 DEPTH 1250 LAT 48 58.2 LONG 127 19.7


SAL 0/00
34.5
33.5
TEMP C
4.5
2.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1250 LAT 48 58.2 LONG 127 19.7


SAL O/OO
34.5
33.5
TEMP C
4.5
2.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN E04 DEPTH 1250 LAT 48 58.2 LONG 127 19.7

COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
2.5
4.5
33.5
34.5
STN E04 DEPTH 1250 LAT 48 58.2 LONG 127 19.7
SEP/80
4
7
10
13
16
19
22
25
28
1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E04 Depth 1250 ESTEVAN POINT 48 58.2 N 127 19.7 W Length of record=127 Days
Start of record 0 mn 10 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	126	108	001																							235
10- 19	101	082																								183
20- 29	080	054																								134
30- 39	086	041																								127
40- 49	099	033																								132
50- 59	086	040																								126
60- 69	083	028																								111
70- 79	080	041																								121
80- 89	085	022																								107
90- 99	086	019																								105
100-109	068	023																								91
110-119	088	031																								119
120-129	080	023																								103
130-139	077	023																								100
140-149	064	040																								104
150-159	080	033																								113
160-169	064	016																								80
170-179	078	014																								92
180-189	068	011																								79
190-199	079	010																								89
200-209	065	023																								88
210-219	066	013																								79
220-229	085	013																								98
230-239	062	014																								76
240-249	070	020																								90
250-259	068	024																								92
260-269	099	036																								135
270-279	104	068	002																							174
280-289	136	102	004																							242
290-299	141	140	019	001																						301
300-309	163	185	051	004																						403
310-319	156	284	052	003																						495
320-329	127	264	045	003																						439
330-339	193	241	011																							445
340-349	140	205	006																							351
350-359	122	115	002																							239
	2439		11		0		6		0		3		0		0		0		0		0		0		0	6098
	3455		193		0		0		0		0		0		0		0		0		0		0		0	

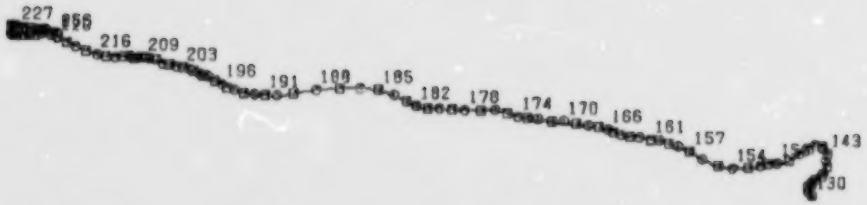
Number of zero rates: 0

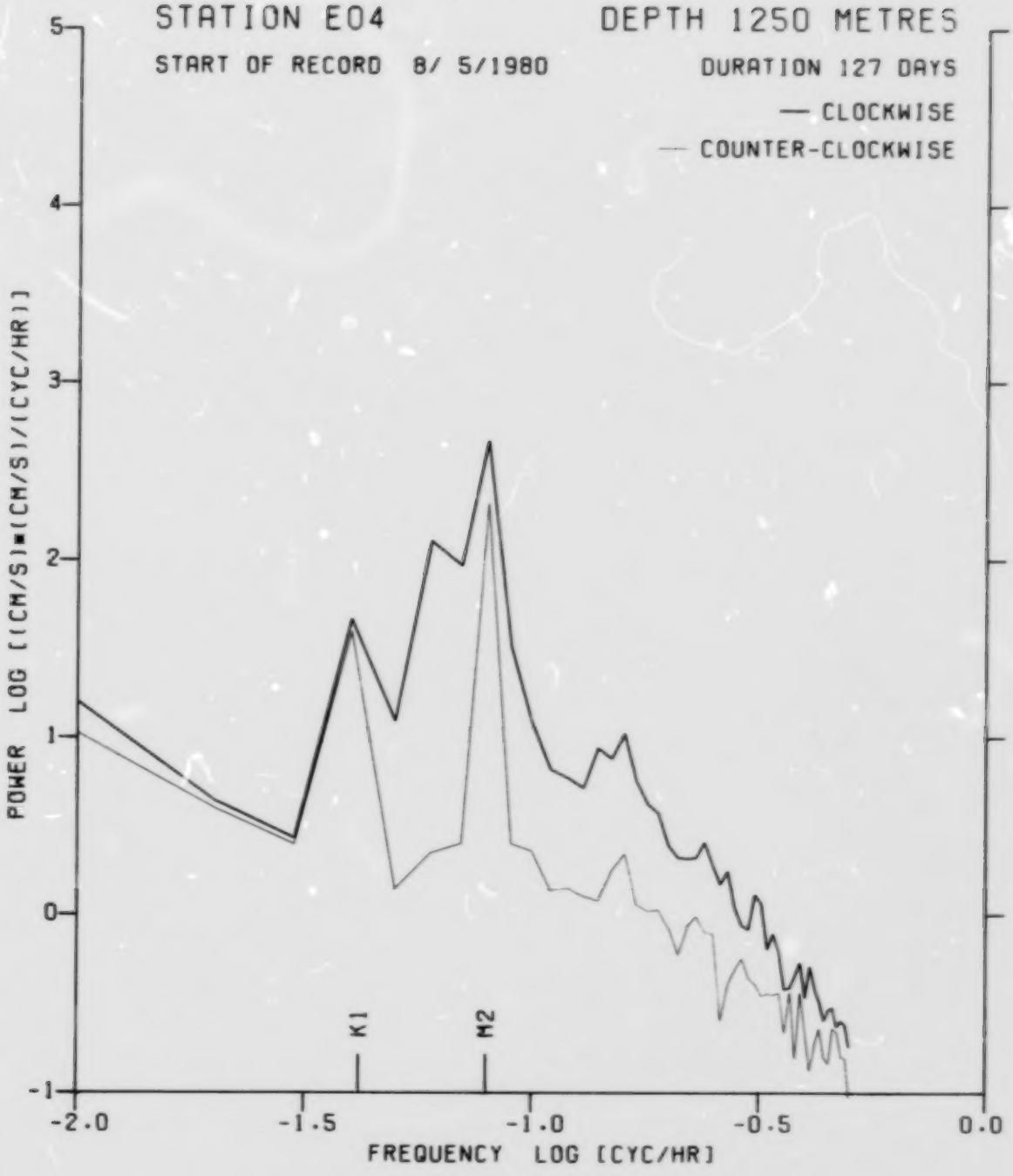
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

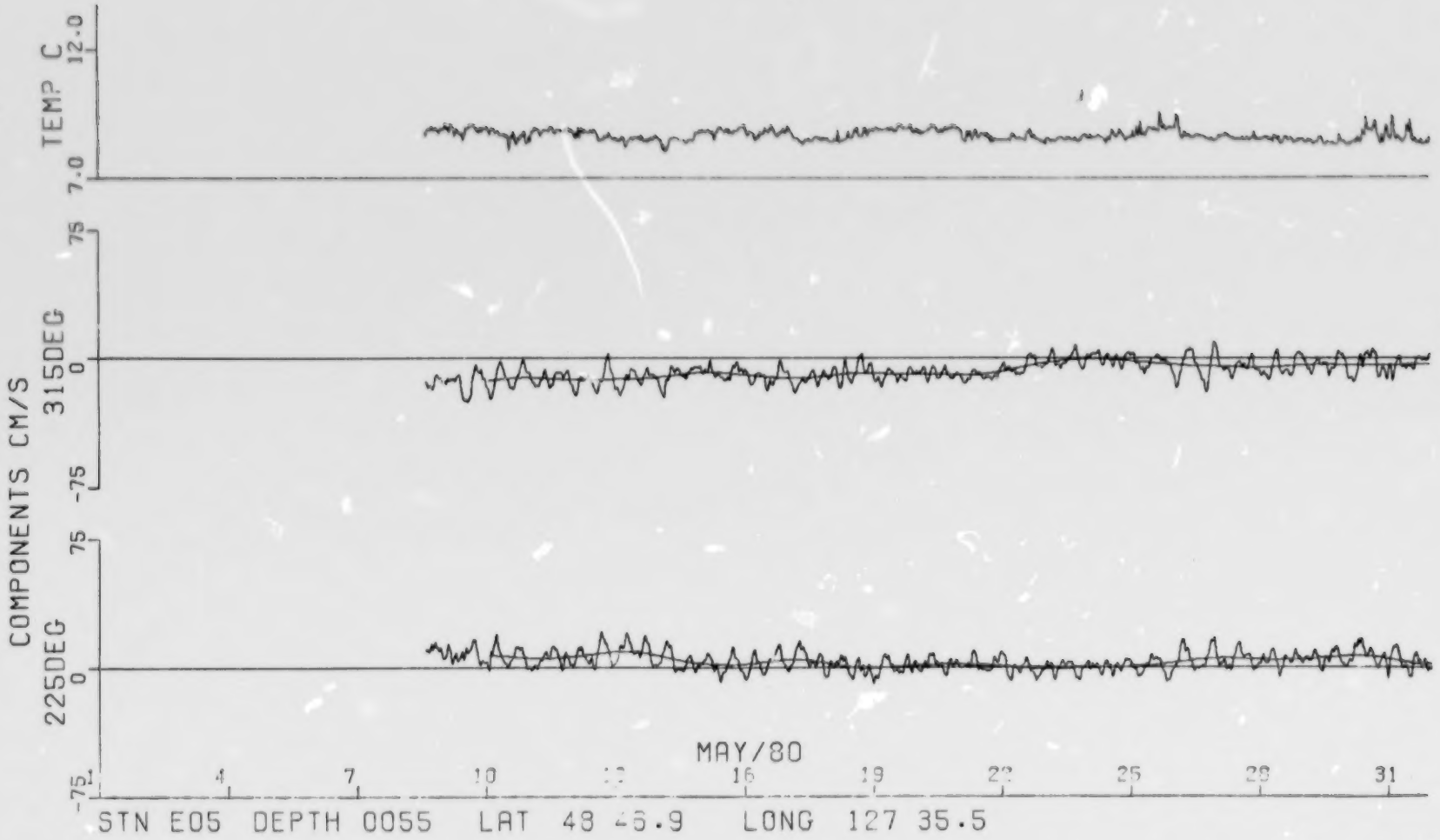
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

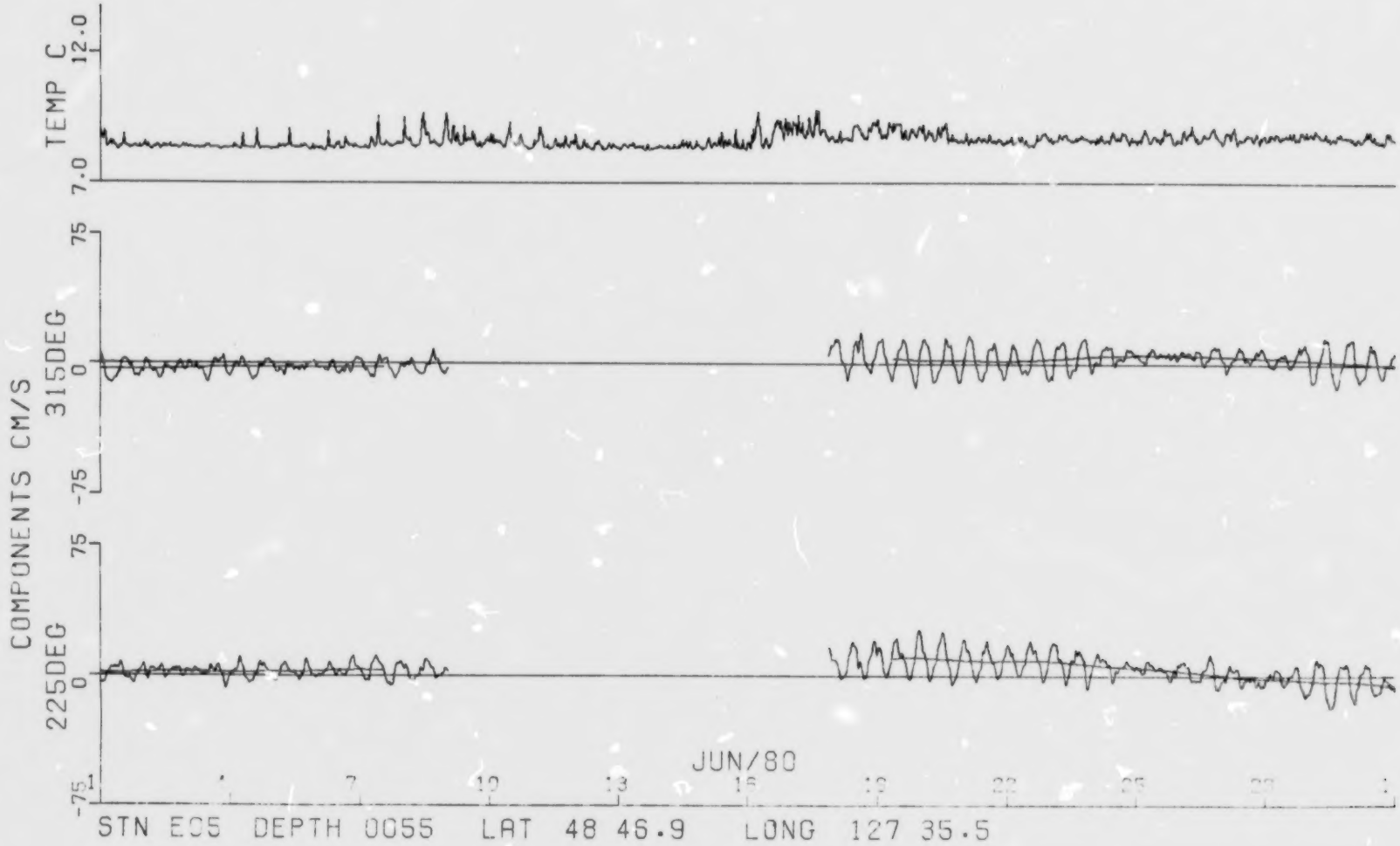
SIN DEPTH	AREA	DAY/YR	NO DAYS
E04 1250M	8600	129/80	127

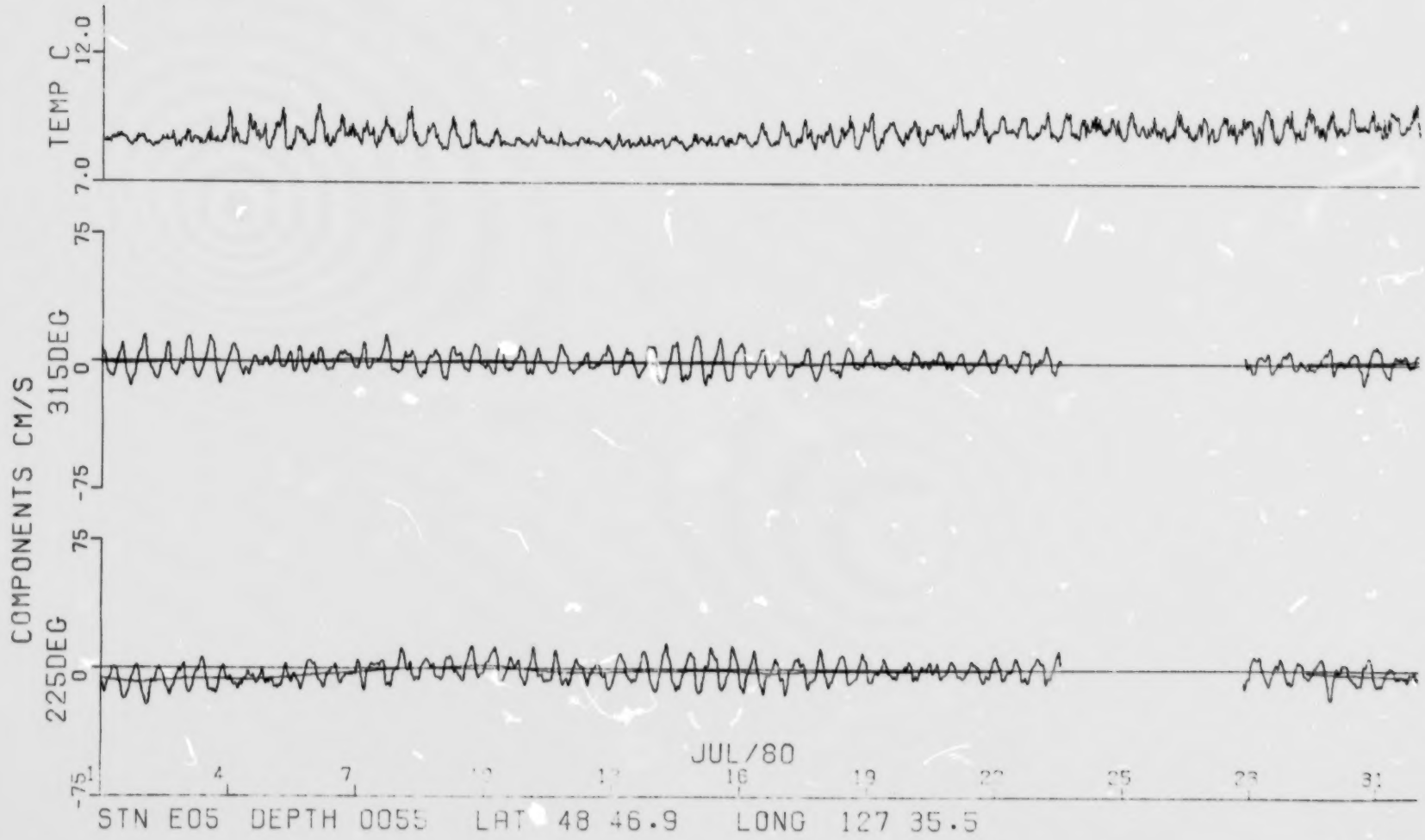
SCALE ⊢——+——+——+——+——⊣
100 KM



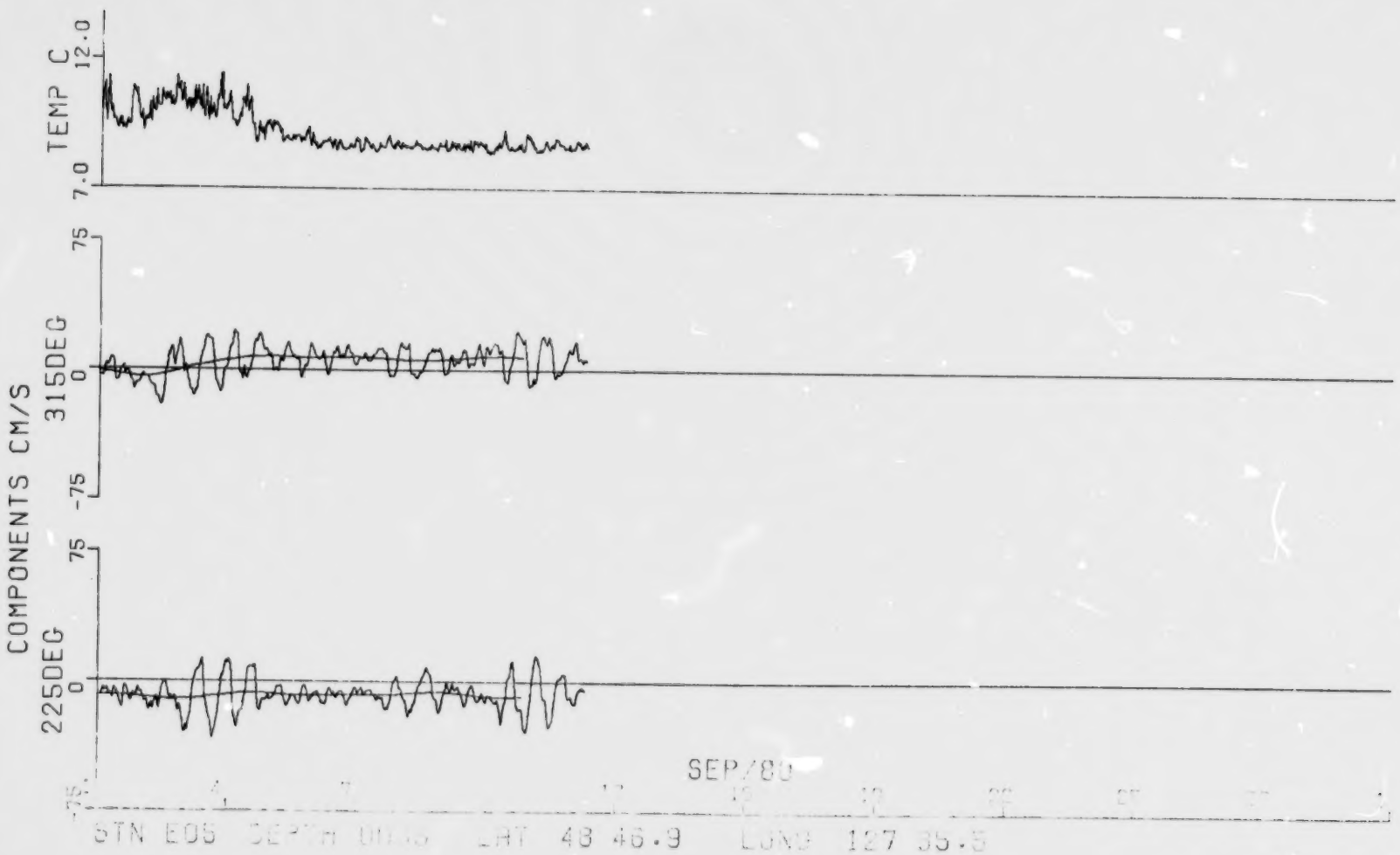

STATION E04
START OF RECORD 8/ 5/1980
DEPTH 1250 METRES
DURATION 127 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
16
19
22
25
28
31
STN E05 DEPTH 0055 LAT 48 46.9 LONG 127 35.5


TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
7
10
13
16
19
22
25
28
STN EC5 DEPTH 0055 LAT 48 46.9 LONG 127 35.5


TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
16
STN E05 DEPTH 0055 LAT 48 46.9 LONG 127 35.5

TEMP C
7.0
12.0
315DEG
75
0
-75
225DEG
75
0
-75
COMPONENTS CM/S
AUG/80
STN E05 DEPTH 0055 LAT 48 46.9 LONG 127 35.5


TEMP C
12.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
STN E05 DEPTH 0035 LAT 48 46.9 LONG 127 35.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 0055 ESTEVAN POINT 48 46.9 N 127 35.5 W Length of record=114 Days
Start of record 0 mn 14 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	039	093	089	040	011	005	001																			278
10- 19	024	049	049	012	010	005	001																			150
20- 29	022	034	034	009	006	001	001																			107
30- 39	018	031	019	010	005	001	001																			85
40- 49	029	041	027	011	010	003	001																			122
50- 59	038	083	031	022	007	005																				186
60- 69	053	127	066	043	007	003																				299
70- 79	076	100	063	020	004	001																				264
80- 89	062	084	034	009	002																					191
90- 99	044	071	027	009	001	001																				153
100-109	046	078	026	010	001																					161
110-119	040	051	028	003																						122
120-129	046	087	035																							168
130-139	049	096	046	011																						202
140-149	049	108	074	026	004																					261
150-159	046	085	053	021	009	007																				221
160-169	035	067	055	022	013	007																				199
170-179	038	056	037	032	010																					173
180-189	032	050	034	022	009																					147
190-199	025	060	031	015	010																					141
200-209	035	044	033	010	001																					123
210-219	035	047	021	013		001																				117
220-229	043	036	011	006	005	001																				102
230-239	037	038	010	008	007	001																				101
240-249	037	022	009	004	001	001																				74
250-259	033	048	004	010	006																					101
260-269	051	029	020	018	008																					126
270-279	044	060	035	026	001																					166
280-289	027	037	023	012	001																					100
290-299	016	014	019	007	001																					57
300-309	014	021	008	001	002																					46
310-319	017	016	009	003																						45
320-329	017	004		002																						23
330-339	017	027	009	004	004																					61
340-349	048	064	027	014	003	002																				158
350-359	051	171	111	066	018	004																				421
	2129		551		49		0		0		0		0		0		0		0		0		0			5451
	1333	1207		177		5		0		0		0		0		0		0		0		0				

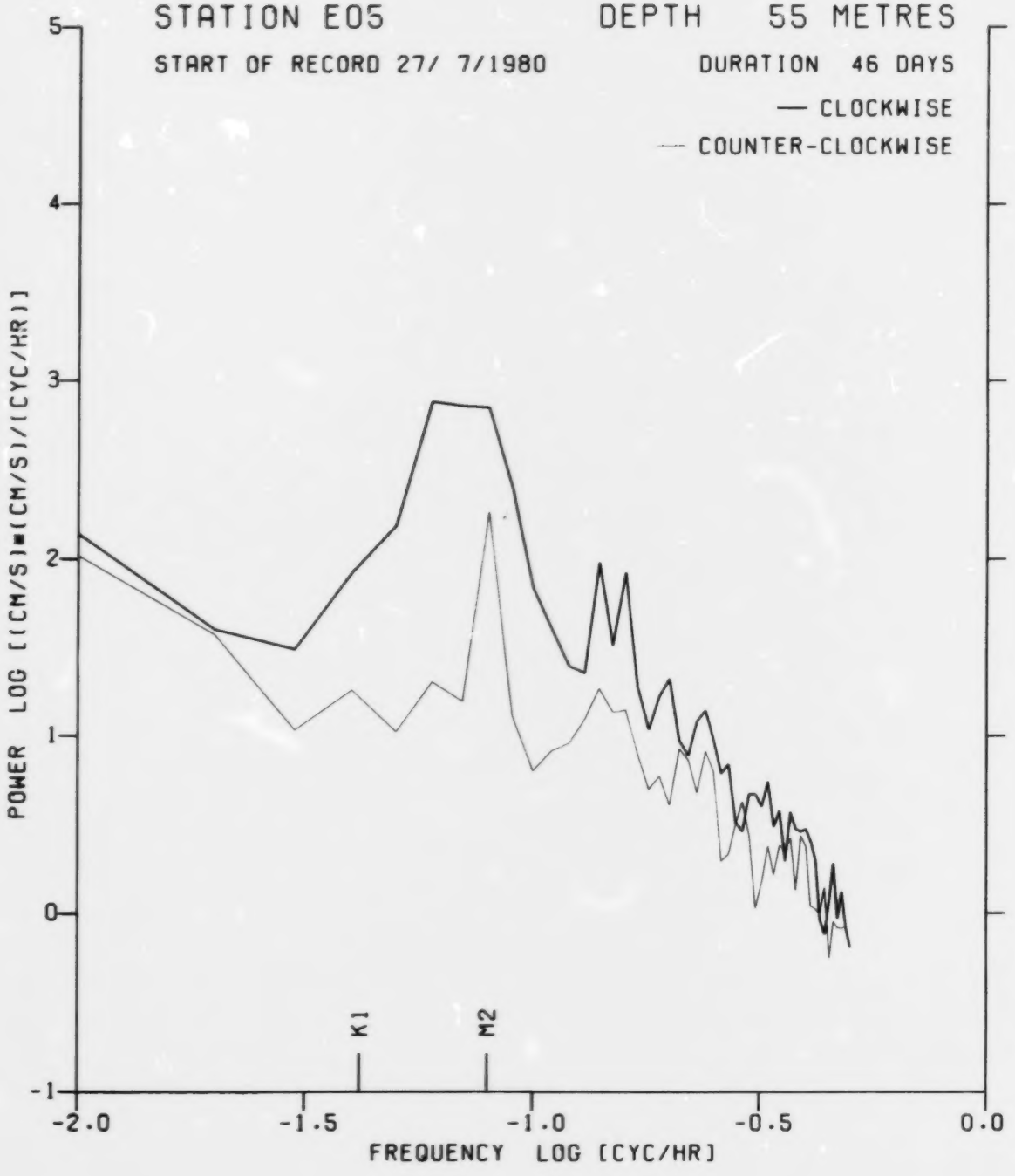
Number of zero rates: 0

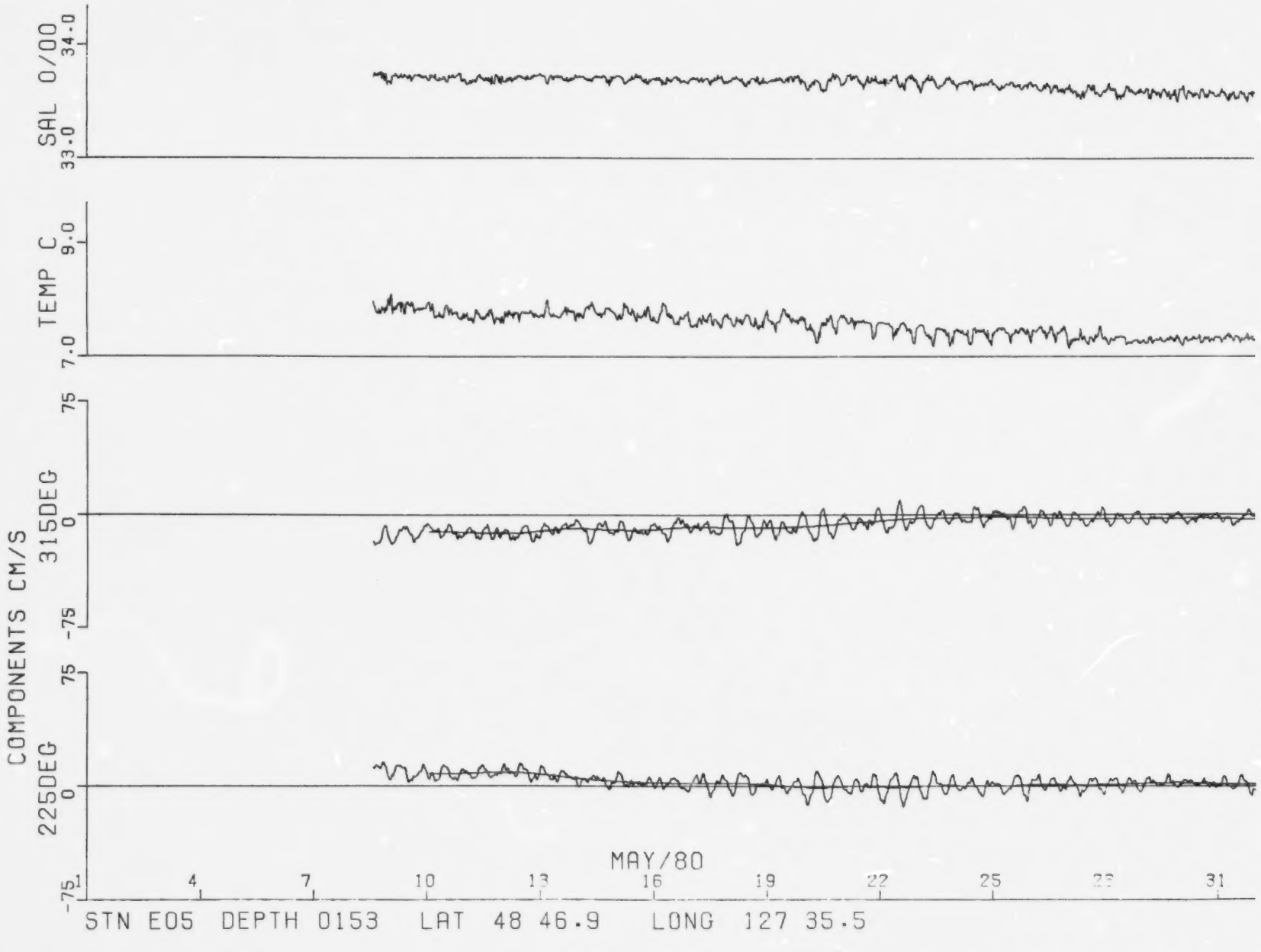
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

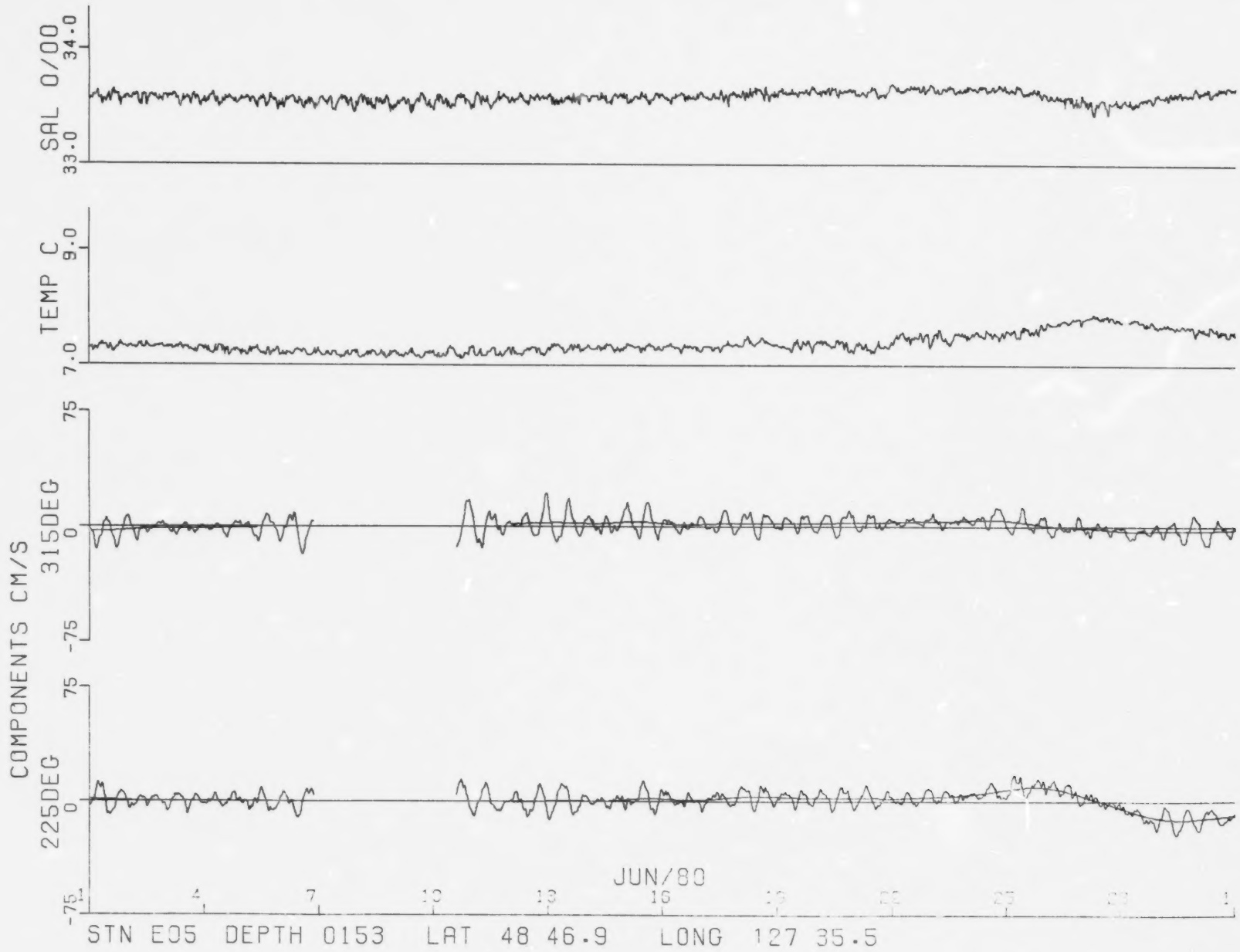
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

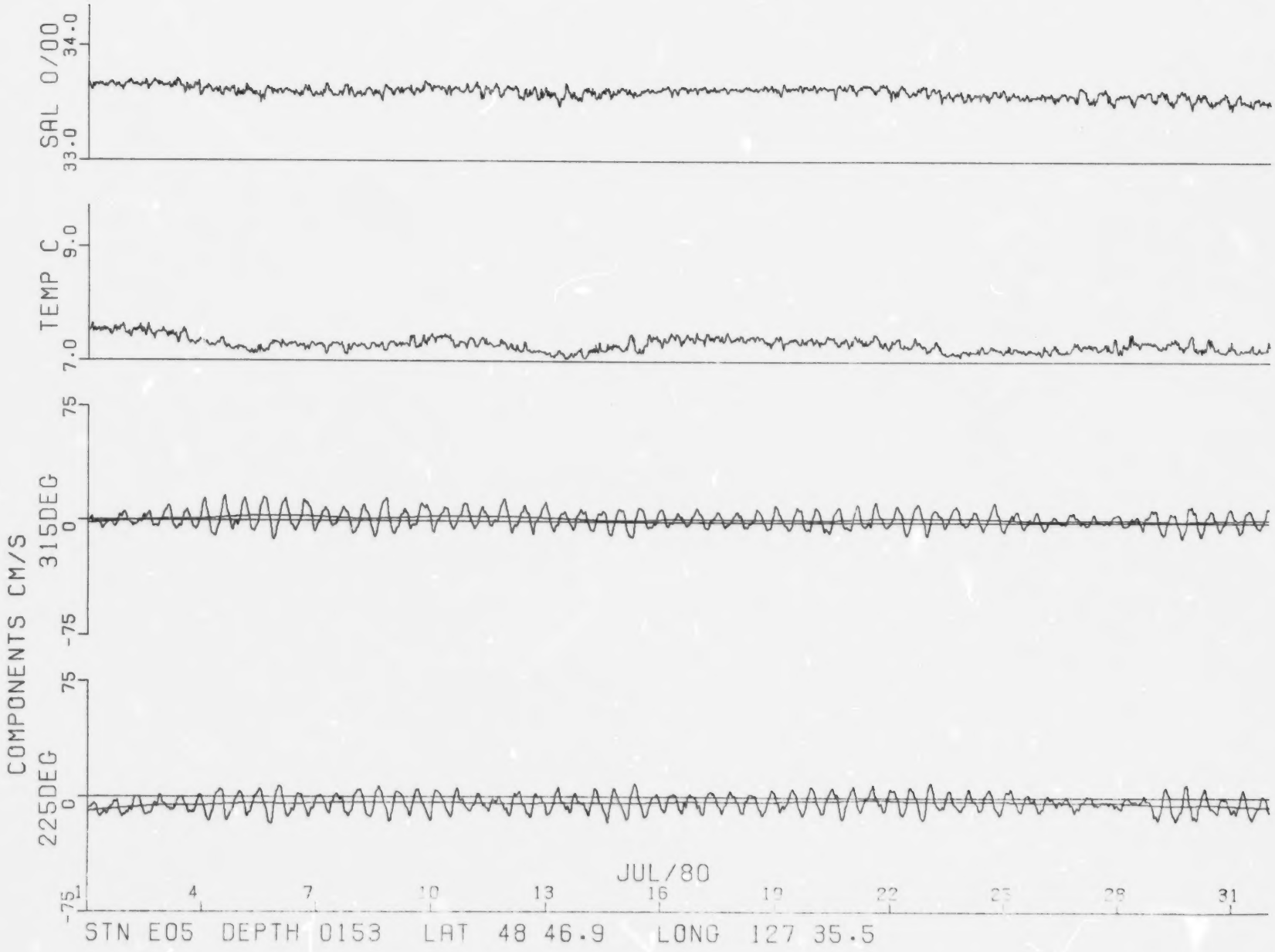
STN	DEPTH	AREA	DAY/YR	NO DAYS
E05	0055M	8600	209/80	

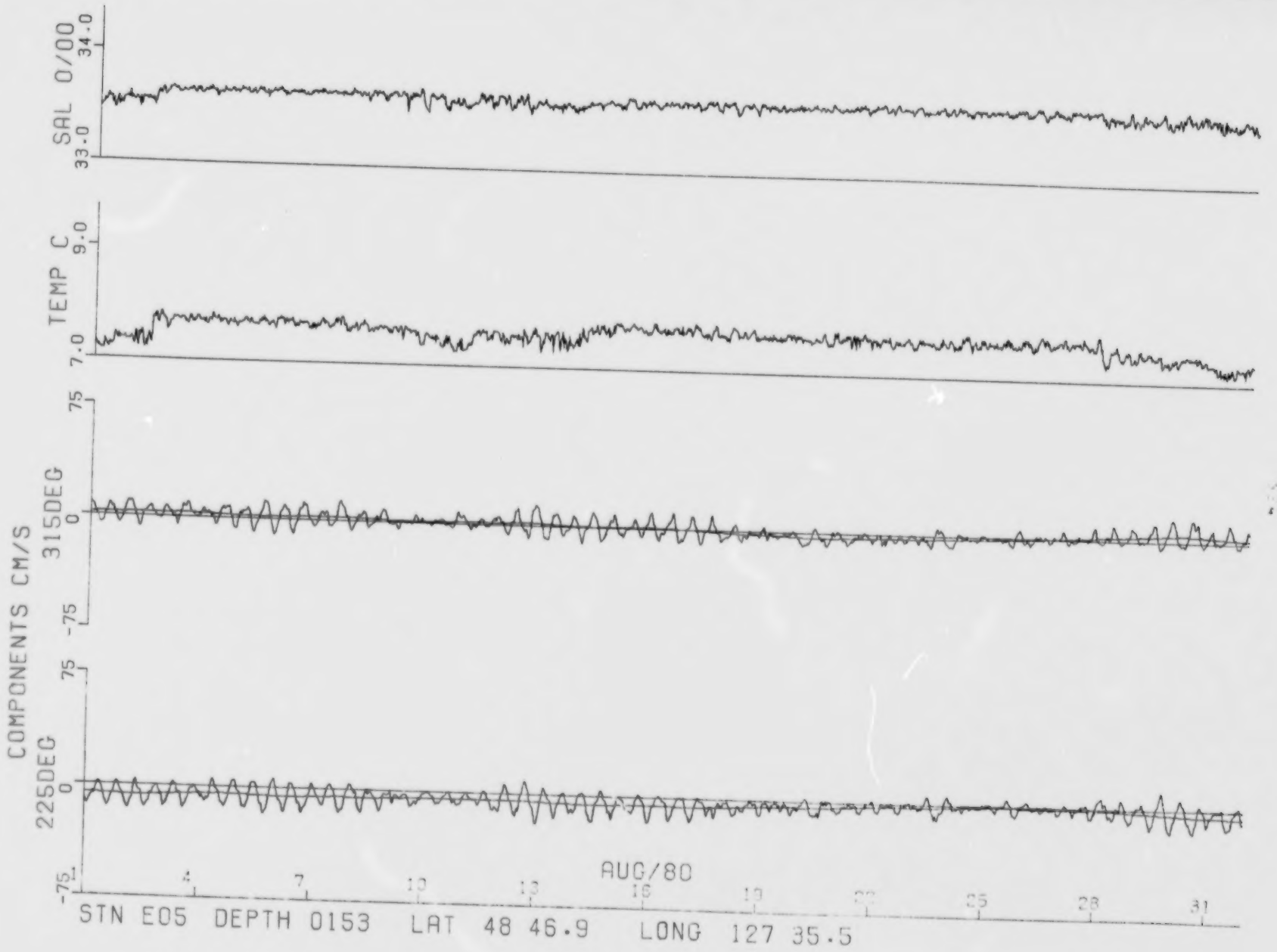
SCALE 100 KM


STATION E05
DEPTH 55 METRES
START OF RECORD 27/ 7/1980
DURATION 46 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
MAY/80
STN E05 DEPTH 0153 LAT 48 46.9 LONG 127 35.5


SAL O/OO
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 0153 LAT 48 46.9 LONG 127 35.5


SAL O/OO
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0153 LAT 48 46.9 LONG 127 35.5


SAL O/OO
34.0
33.0
TEMP C
9.0
7.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 0153 LAT 48 46.9 LONG 127 35.5

STN EOS DEPTH 0153 LAT 48 46.9 LONG 127 35.5
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
7.0
9.0
SAL 0/00
33.0
34.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 0153 ESTEVAN POINT 48 46.9 N 127 35.5 W Length of record=123 Days
Start of record 0 mn 14 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	040	072	064	026	004																					206
10- 19	045	064	101	028	003																					241
20- 29	049	095	091	031	002																					268
30- 39	072	089	076	027	002																					266
40- 49	063	087	050	019	001																					220
50- 59	077	091	065	011	003																					247
60- 69	074	091	050	008																						223
70- 79	069	087	042	002																						200
80- 89	060	084	024	006																						174
90- 99	072	072	024	004																						172
100-109	074	058	025	003																						160
110-119	059	068	016	002																						145
120-129	075	062	019	001																						157
130-139	079	048	022	010																						159
140-149	072	060	047	015	001																					185
150-159	082	061	050	028	004																					225
160-169	051	069	043	034	008																					205
170-179	054	097	036	025	003																					215
180-189	058	046	039	027																						170
190-199	058	064	031	009																						162
200-209	066	037	009																							112
210-219	056	032	015	001																						104
220-229	048	038	010	002																						98
230-239	045	025	012	001																						83
240-249	041	040	013	001																						95
250-259	034	044	017	001																						96
260-269	048	038	011	002																						99
270-279	040	054	018	003																						115
280-289	047	036	013	005																						101
290-299	033	037	015	004																						89
300-309	053	030	018	005																						106
310-319	052	035	019	006	001																					113
320-329	049	055	019	005	001																					129
330-339	059	060	033	010	002																					164
340-349	040	080	048	015	002																					185
350-359	046	090	064	012	002																					214
	2186		389		0		0		0		0		0		0		0		0		0		0		0	5903
	2848	1249		39		0		0		0		0		0		0		0		0		0		0		

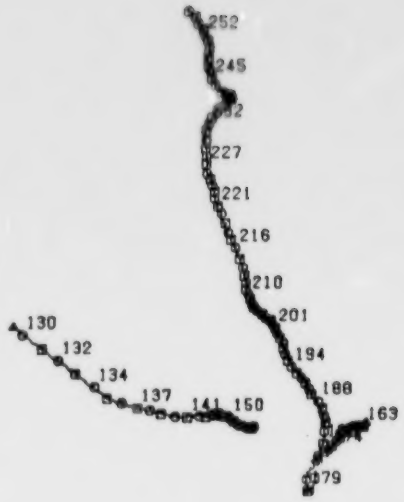
Number of zero rates: 0

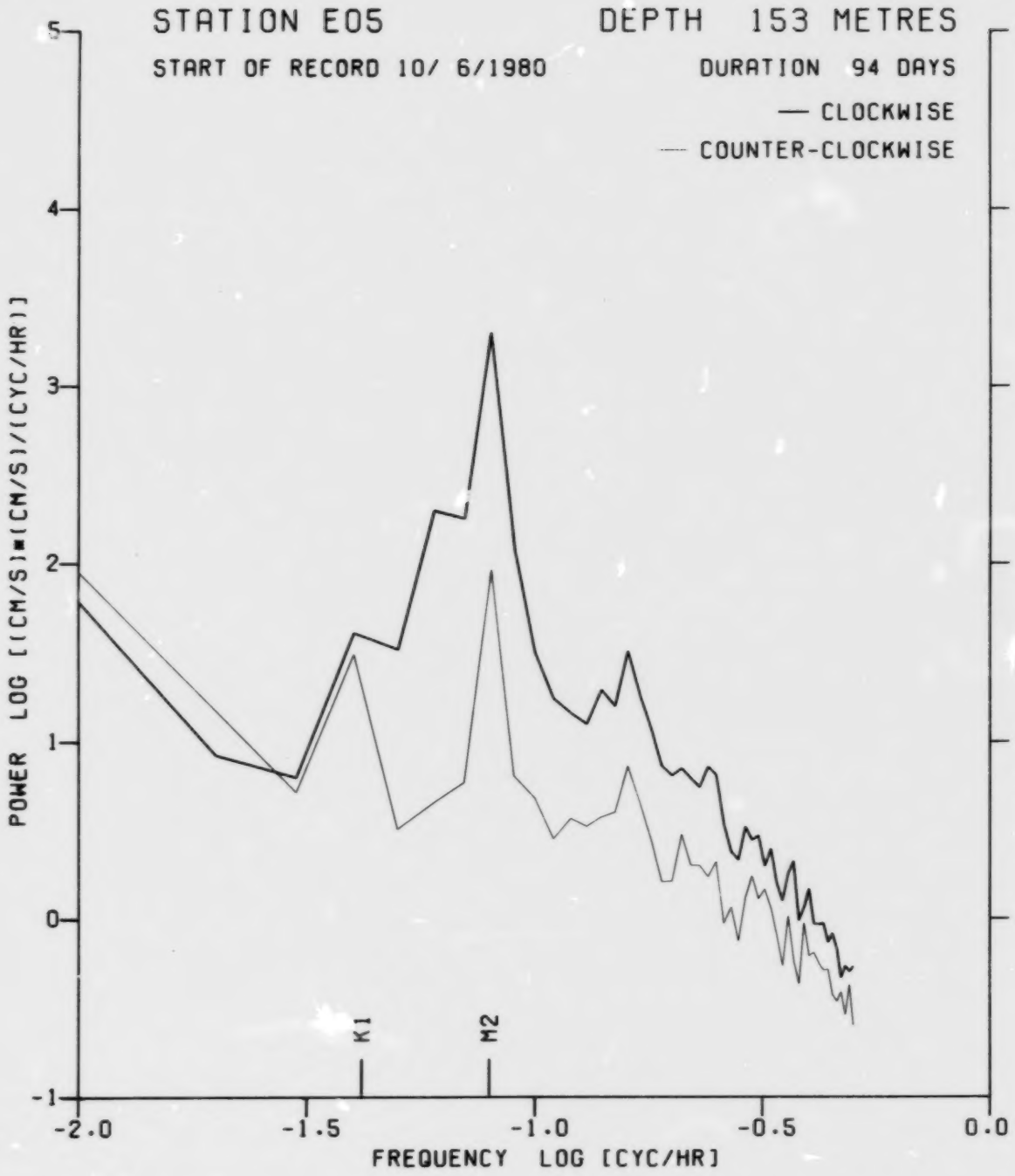
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

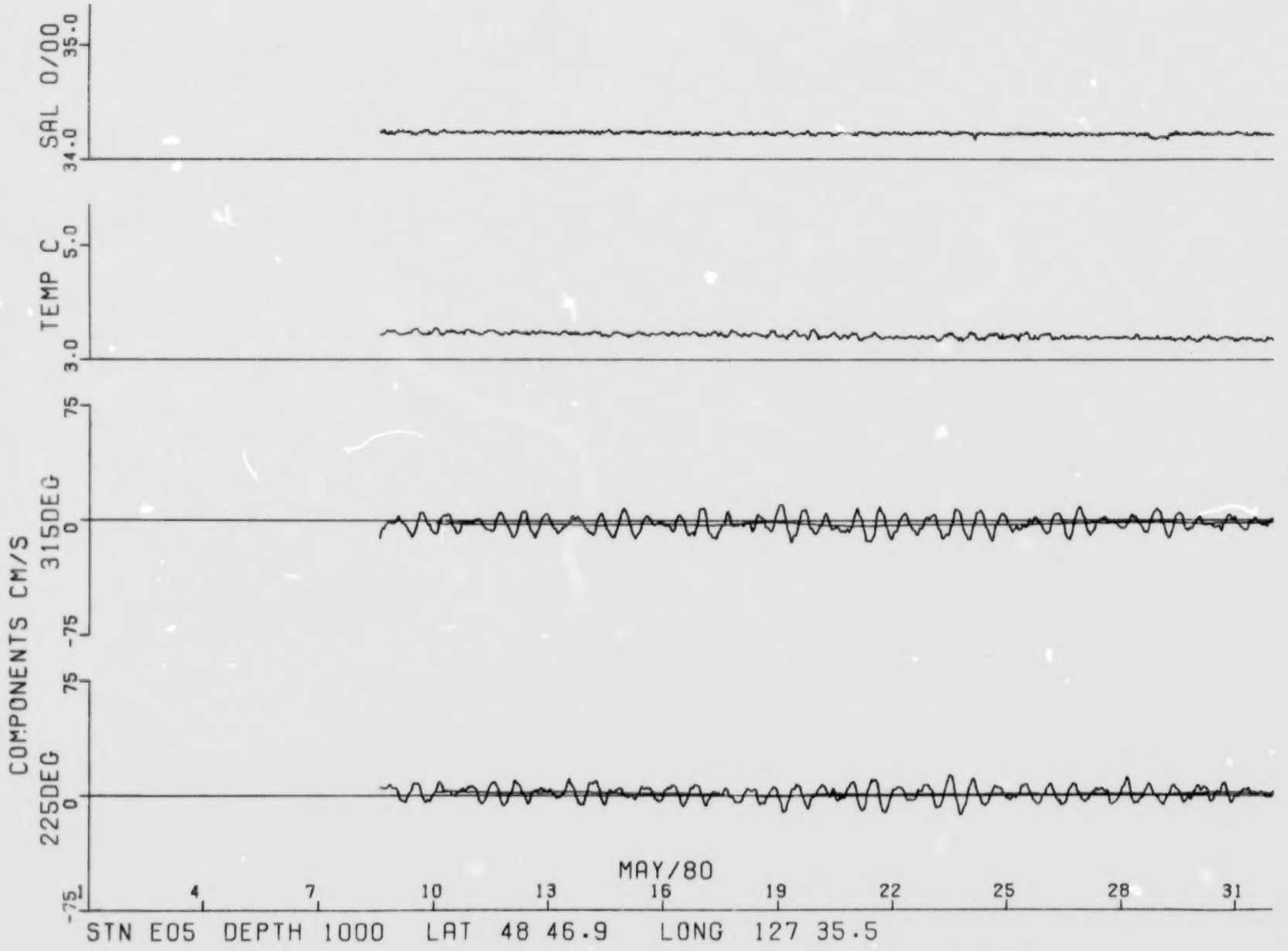
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

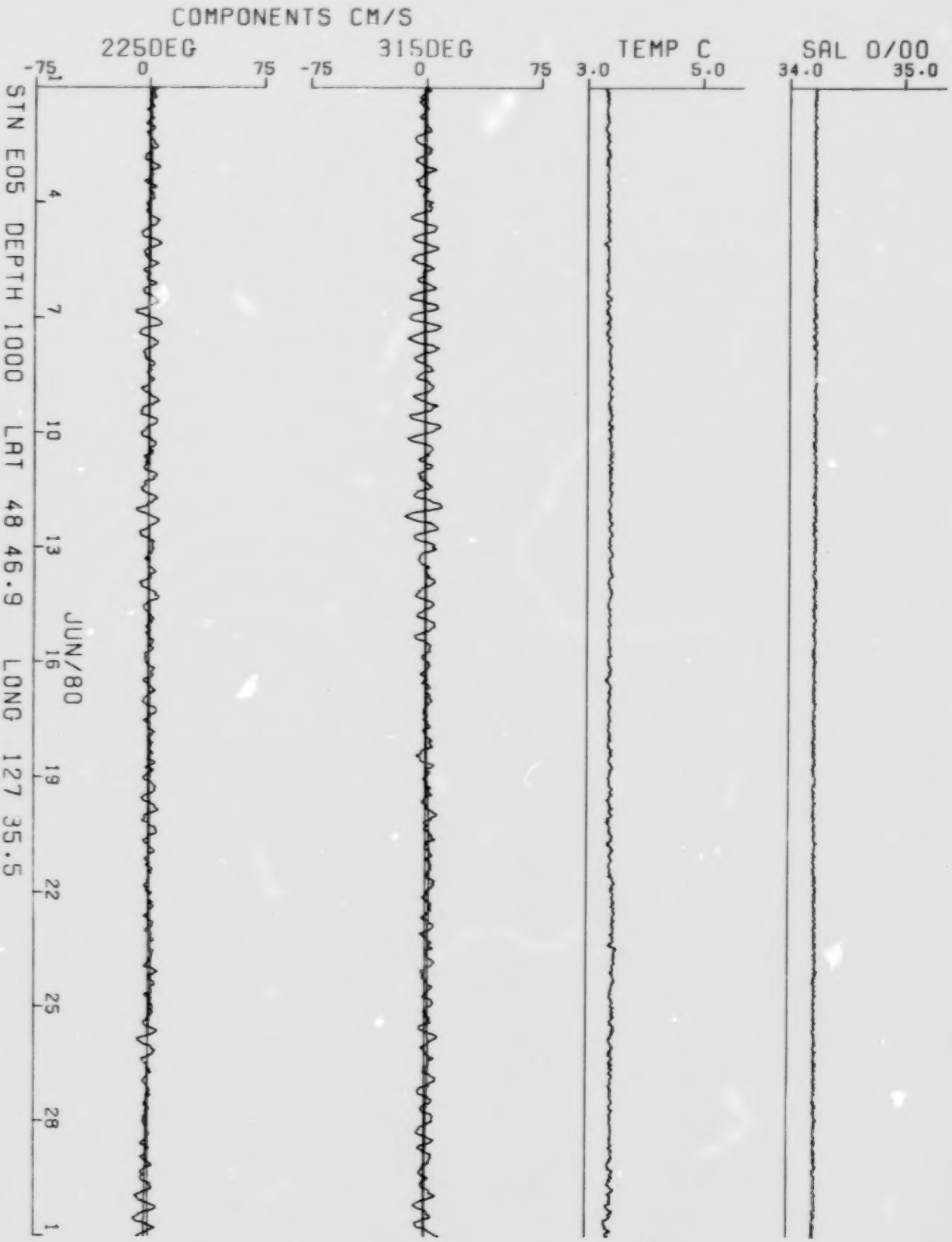
STN	DEPTH	AREA	DAY/YR	NO DAYS
E05	0153M	8600	162/80	

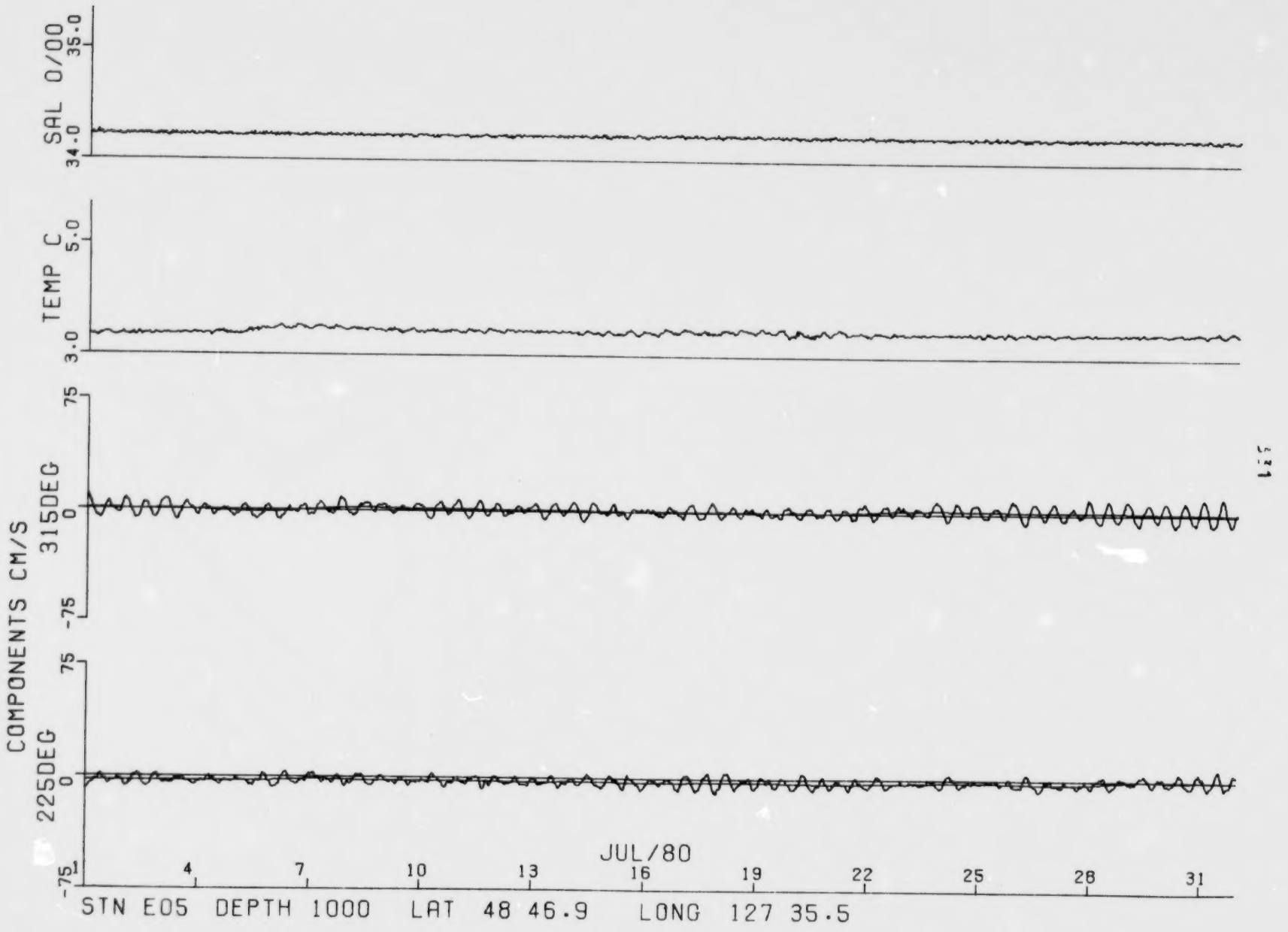
SCALE 100 KM



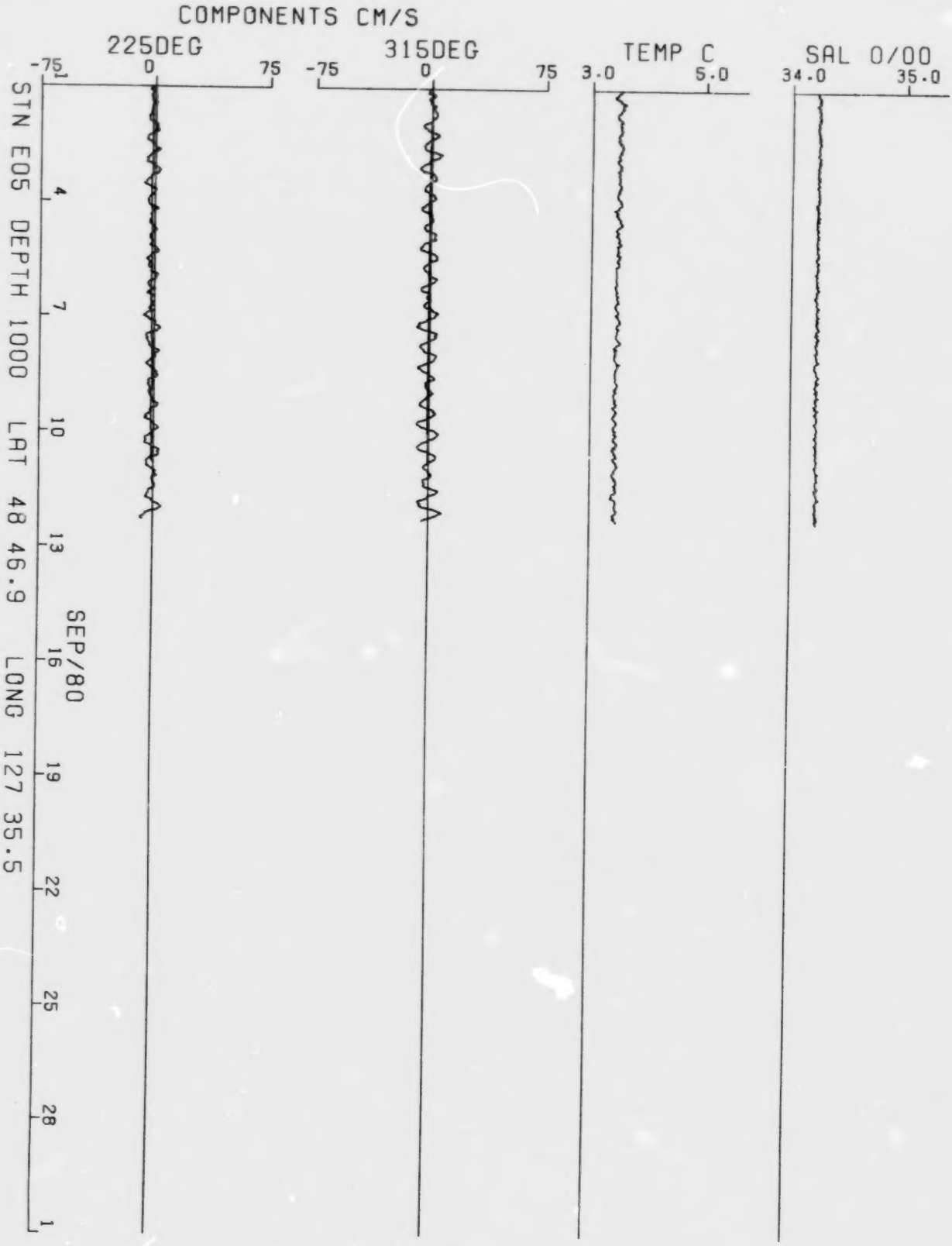

STATION E05
DEPTH 153 METRES
START OF RECORD 10/ 6/1980
DURATION 94 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 1000 LAT 48 46.9 LONG 127 35.5


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN E05 DEPTH 1000 LAT 48 46.9 LONG 127 35.5
JUN/80
4
7
10
13
16
19
22
25
28
1


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 1000 LAT 48 46.9 LONG 127 35.5

STN E05 DEPTH 1000 LAT 48 46.9 LONG 127 35.5
AUG/80
4
7
10
13
16
19
22
25
28
31
COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
75
0
-75
3.0
5.0
34.0
35.0


COMPONENTS CM/S
225DEG
315DEG
TEMP C
SAL 0/00
-75
0
75
3.0
5.0
34.0
35.0
STN E05 DEPTH 1000 LAT 48 46.9 LONG 127 35.5
SEP/80
4
7
10
13
16
19
22
25
28
1

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 1000 ESTEVAN POINT 48 46.9 N 127 35.5 W Length of record=127 Days
Start of record 0 mn 14 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	113	069	006																							188
10- 19	114	082	004																							200
20- 29	098	058	004																							160
30- 39	096	054	003																							153
40- 49	100	060	001																							161
50- 59	093	066	001																							160
60- 69	137	067	003																							207
70- 79	117	066	003																							186
80- 89	119	081	002																							202
90- 99	120	081	002																							203
100-109	107	098	005																							210
110-119	102	087	005																							194
120-129	113	103	012																							228
130-139	110	108	015																							233
140-149	080	100	028																							208
150-159	082	084	027																							193
160-169	075	078	014	002																						169
170-179	061	065	018	002																						146
180-189	072	061	014																							147
190-199	043	047	003	001																						94
200-209	045	039	005																							89
210-219	061	051	006																							118
220-229	074	021	002																							97
230-239	065	033																								98
240-249	085	025																								110
250-259	069	026	001																							96
260-269	088	026																								114
270-279	091	031																								122
280-289	089	041	001																							131
290-299	106	048	001																							155
300-309	101	068	005																							174
310-319	120	110	001																							231
320-329	101	118	007																							226
330-339	107	104	003																							214
340-349	111	112	002																							225
350-359	141	092	007																							240
	2460		5		0		0		0		0		0		0		0		0		0		0		0	6082
	3406		211		0		0		0		0		0		0		0		0		0		0		0	

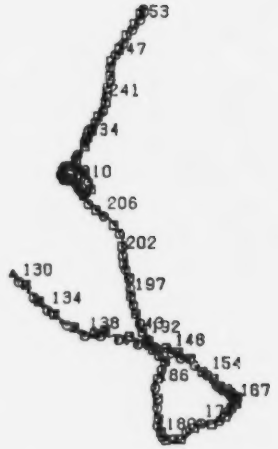
Number of zero rates: 0

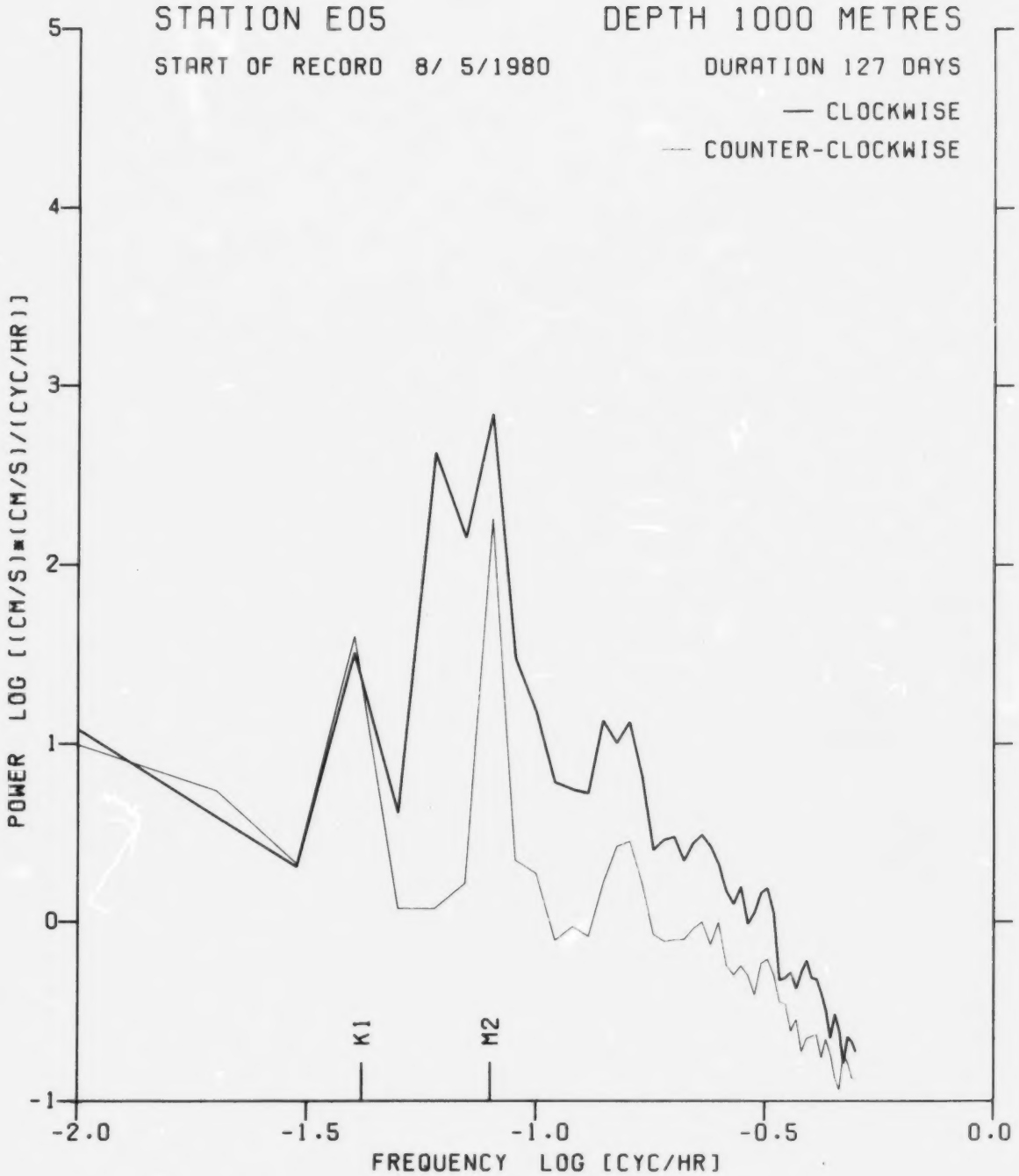
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

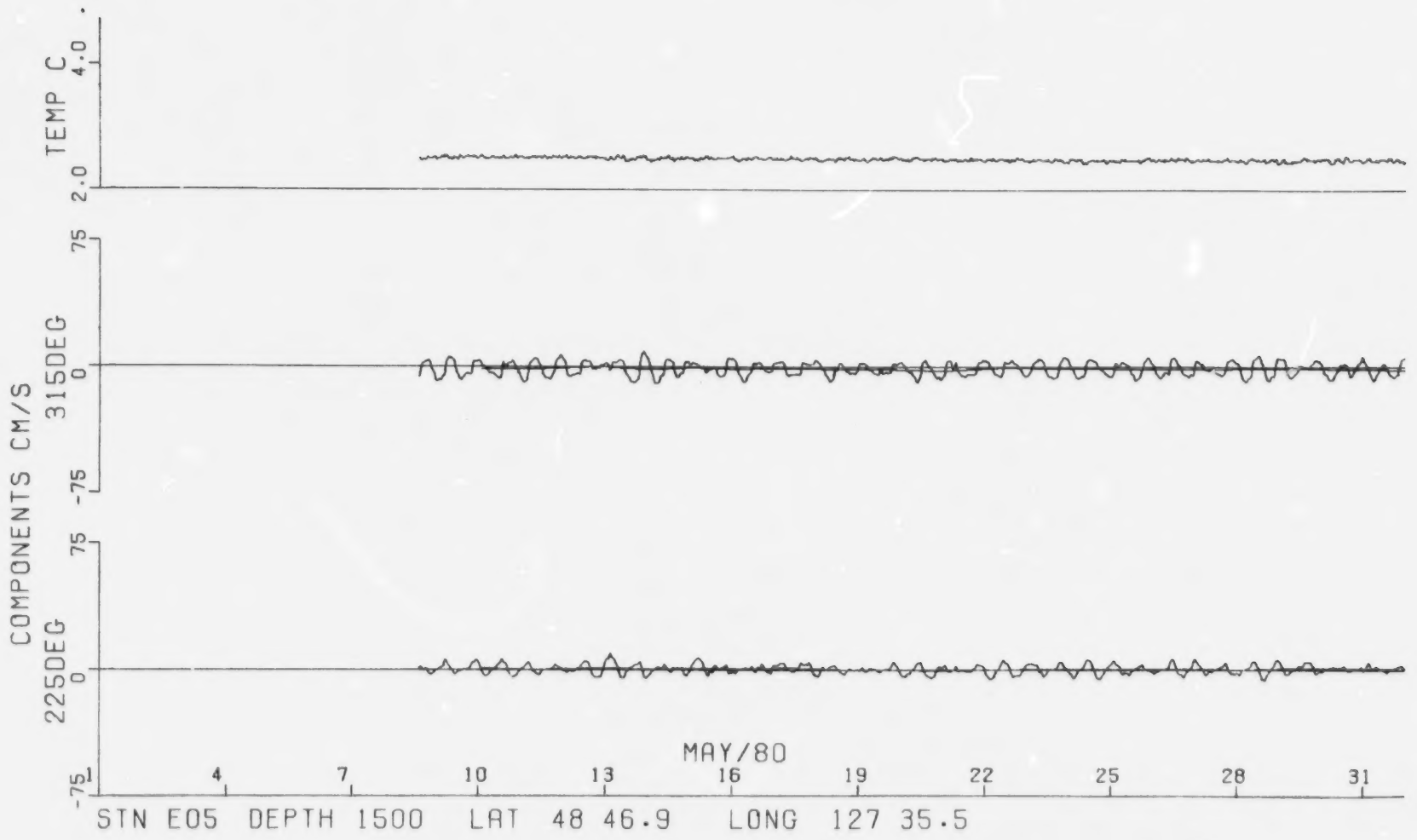
☑ODD NUMBERED DAYS
⓪EVEN NUMBERED DAYS

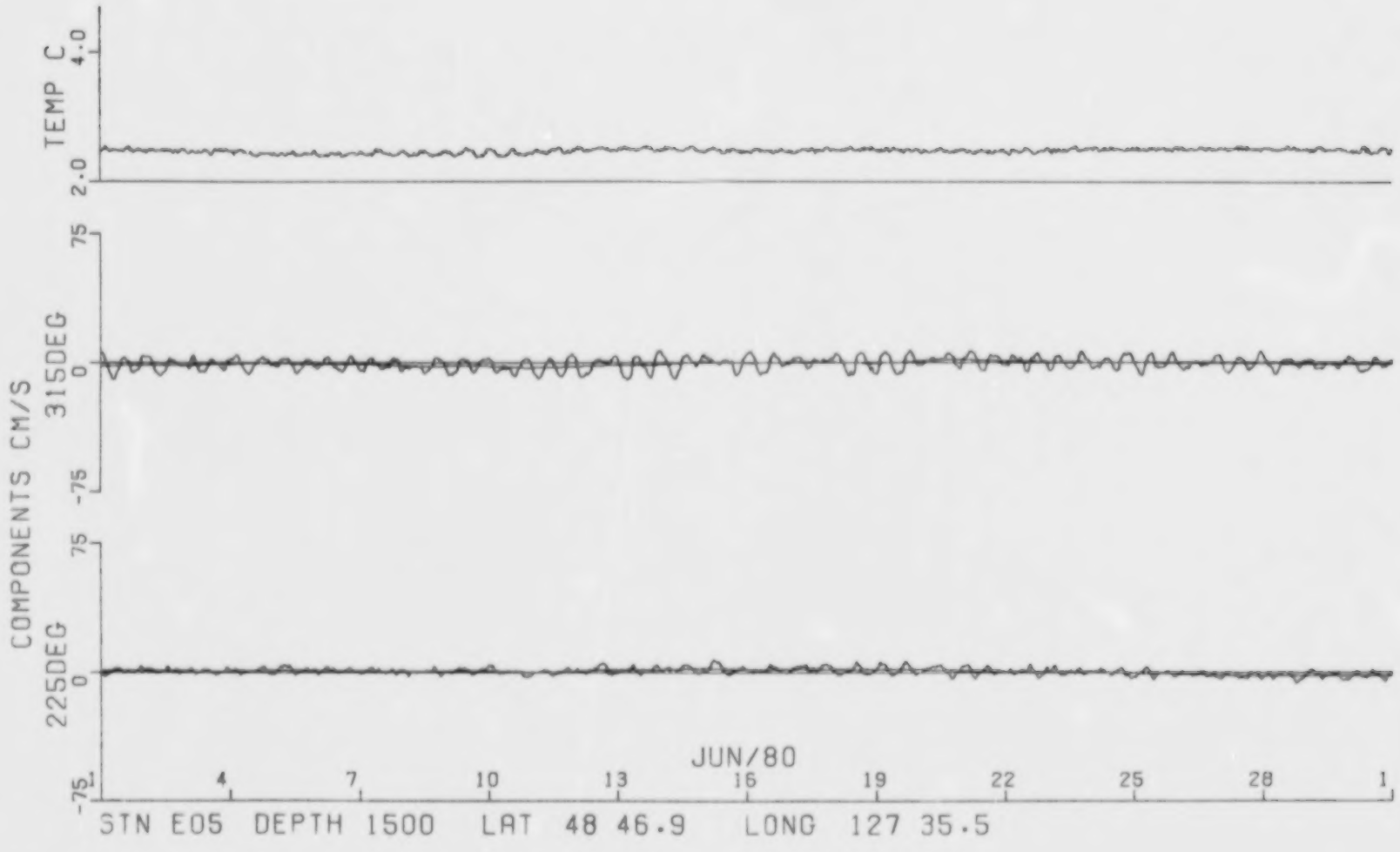
STN	DEPTH	AREA	DAY/YR	NO DAYS
E05	1000M	8600	129/80	127

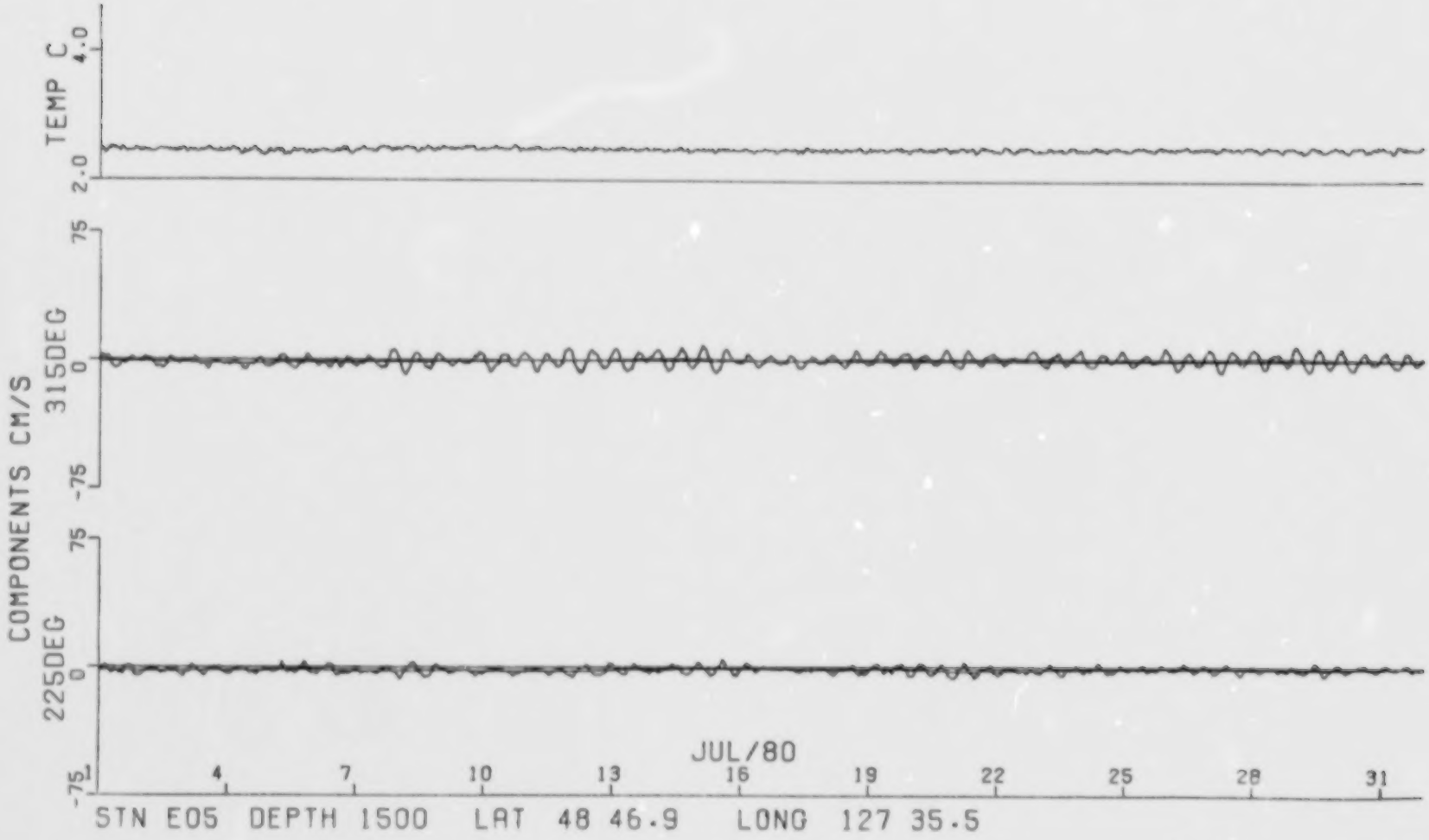
SCALE 50 KM

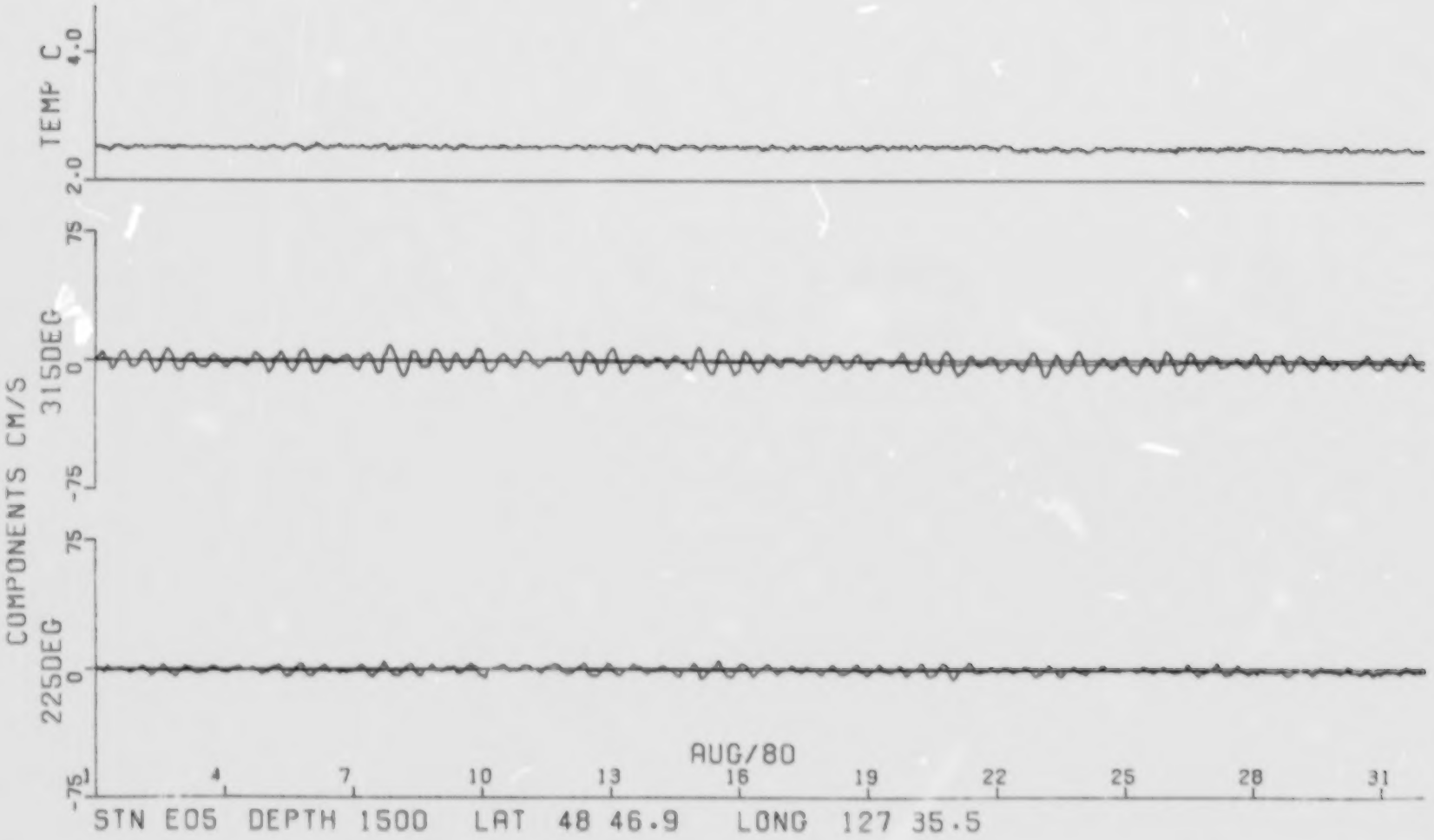


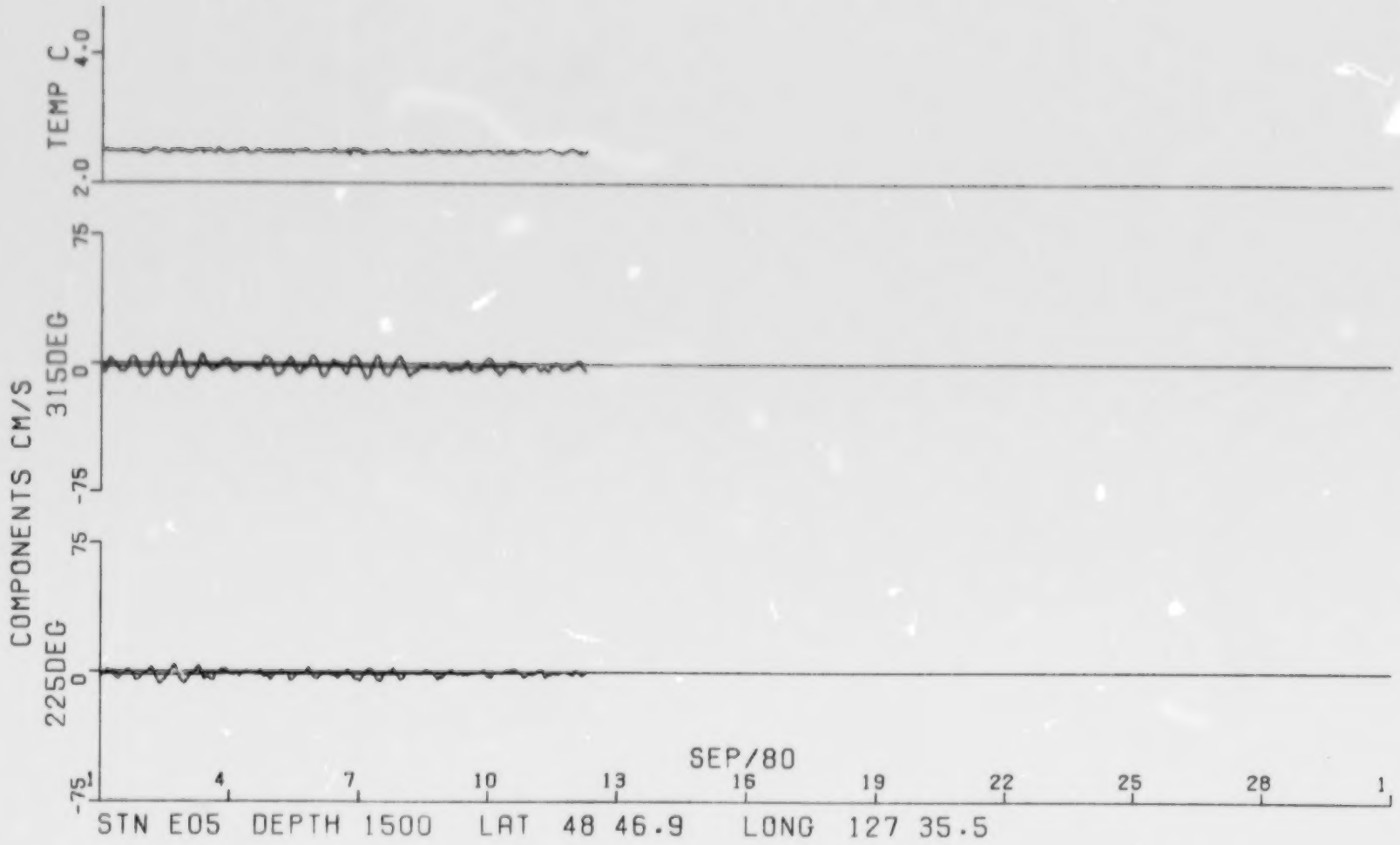

STATION E05
DEPTH 1000 METRES
START OF RECORD 8/ 5/1980
DURATION 127 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 1500 LAT 48 46.9 LONG 127 35.5


TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 1500 LAT 48 46.9 LONG 127 35.5


TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 1500 LAT 48 46.9 LONG 127 35.5


TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
4
7
10
13
16
19
22
25
28
31
STN EOS DEPTH 1500 LAT 48 46.9 LONG 127 35.5


TEMP C
4.0
2.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
4
7
10
13
16
19
22
25
28
1
STN E05 DEPTH 1500 LAT 48 46.9 LONG 127 35.5

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 1500 ESTEVAN POINT 48 46.9 N 127 35.5 W Length of record=127 Days
Start of record 0 mn 14 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	125	026																								151
10- 19	107	014																								121
20- 29	106	007																								113
30- 39	111	010																								121
40- 49	111	005																								116
50- 59	107	017																								124
60- 69	126	016																								142
70- 79	151	024																								175
80- 89	145	039																								184
90- 99	155	048																								203
100-109	190	072																								262
110-119	184	081																								265
120-129	297	148																								445
130-139	303	284																								587
140-149	217	182	002																							401
150-159	135	069																								204
160-169	069	023																								92
170-179	061	005																								66
180-189	042	005																								47
190-199	029	008																								37
200-209	015	001																								16
210-219	015	004																								19
220-229	029	011																								40
230-239	063	017																								80
240-249	100	012																								112
250-259	103	018																								121
260-269	155	045																								200
270-279	125	023																								148
280-289	127	023																								150
290-299	135	041																								176
300-309	133	043																								176
310-319	149	071																								220
320-329	152	057																								209
330-339	139	054																								193
340-349	156	036																								192
350-359	133	040																								173
	1579		0		0		0		0		0		0		0		0		0		0		0		0	6081
	4500		2		0		0		0		0		0		0		0		0		0		0		0	

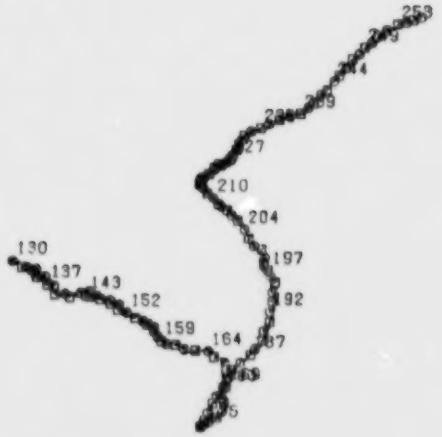
Number of zero rates: 1

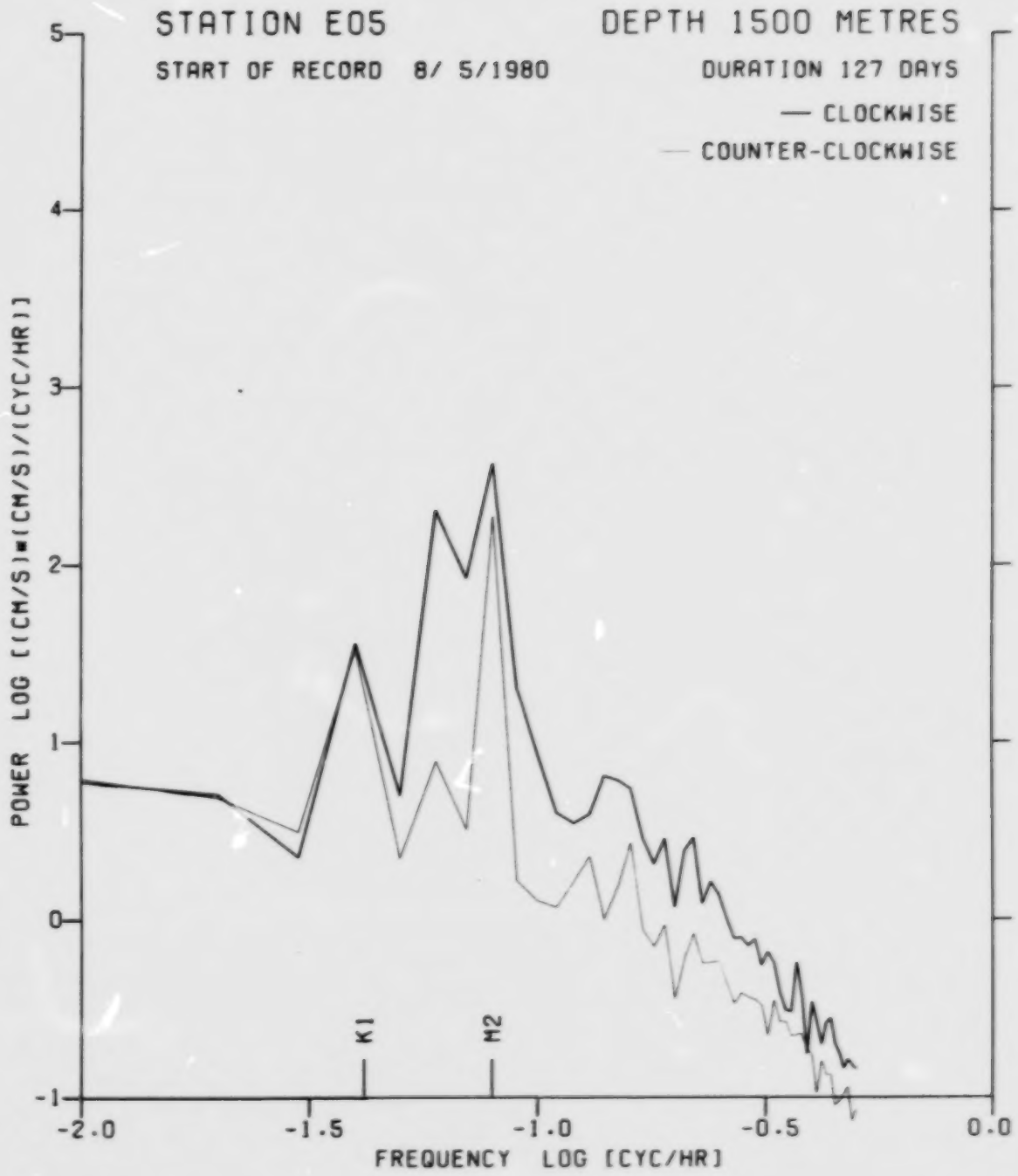
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

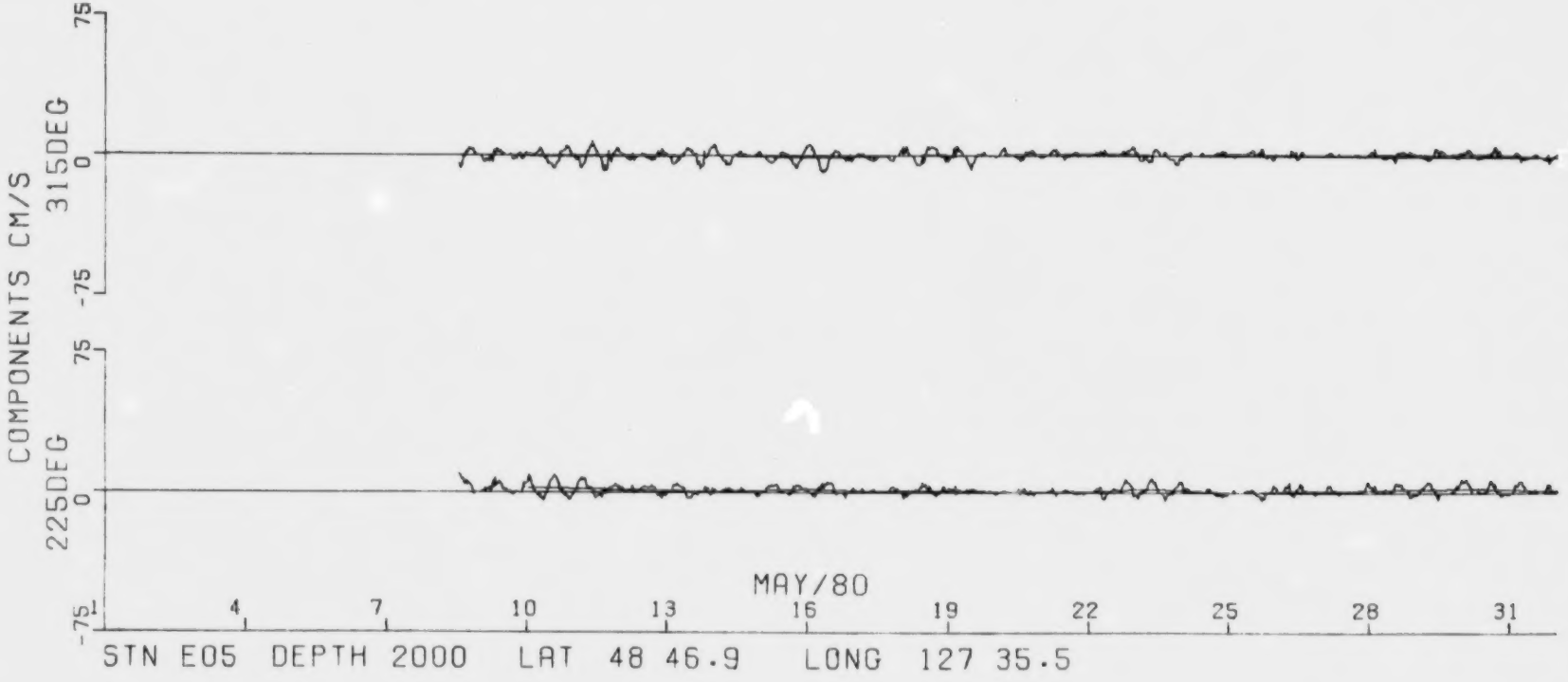
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

STN	DEPTH	AREA	DAY/YR	NO DAYS
EDS	1500M	8600	129/80	127

SCALE ⊢——————⊣
50 KM




STATION E05
DEPTH 1500 METRES
START OF RECORD 8/ 5/1980
DURATION 127 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


COMPONENTS CM/S
315DEG
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN E05 DEPTH 2000 LAT 48 46.9 LONG 127 35.5

STN E05 DEPTH 2000 LAT 48 46.9 LONG 127 35.5
JUN/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn E05 Depth 2000 ESTEVAN POINT 48 46.9 N 127 35.5 W Length of record= 27 Days
Start of record 00 mn 13 hr 8 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	023	001																								24
10- 19	021																									21
20- 29	010																									10
30- 39	008																									8
40- 49	004																									4
50- 59	005																									5
60- 69	006																									6
70- 79	003																									3
80- 89	004																									4
90- 99	007																									7
100-109	012																									12
110-119	011	001																								12
120-129	016	001																								17
130-139	011	006																								17
140-149	028	007																								35
150-159	034	009																								43
160-169	028	009	001																							38
170-179	034	012																								46
180-189	039	018	005																							62
190-199	035	009																								44
200-209	023	013	001																							37
210-219	035	008																								43
220-229	039	008																								47
230-239	052	010																								62
240-249	046	013																								59
250-259	057	011																								68
260-269	034	010																								44
270-279	048	002																								50
280-289	026	005																								31
290-299	035	005																								40
300-309	036	005																								41
310-319	031	004																								35
320-329	032	002																								34
330-339	025	002																								27
340-349	018																									18
350-359	029	002																								31
	173		0		0		0		0		0		0		0		0		0		0		0		0	1085
	905		7		0		0		0		0		0		0		0		0		0		0		0	

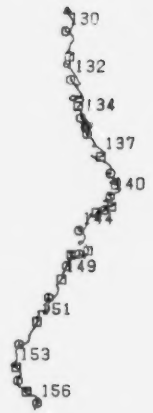
Number of zero rates: 208

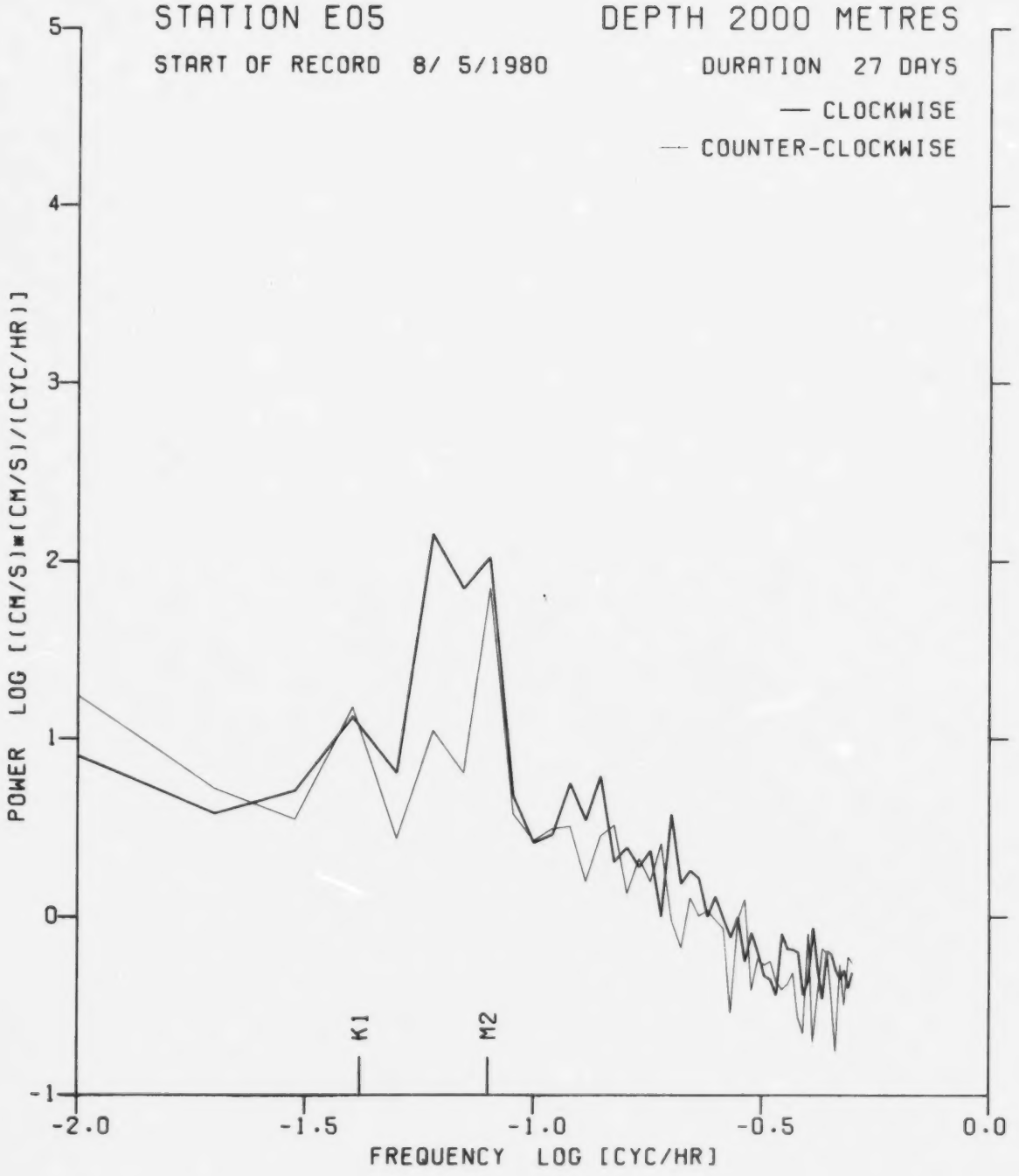
ESTEVAN POINT
PROGRESSIVE VECTOR DIAGRAM

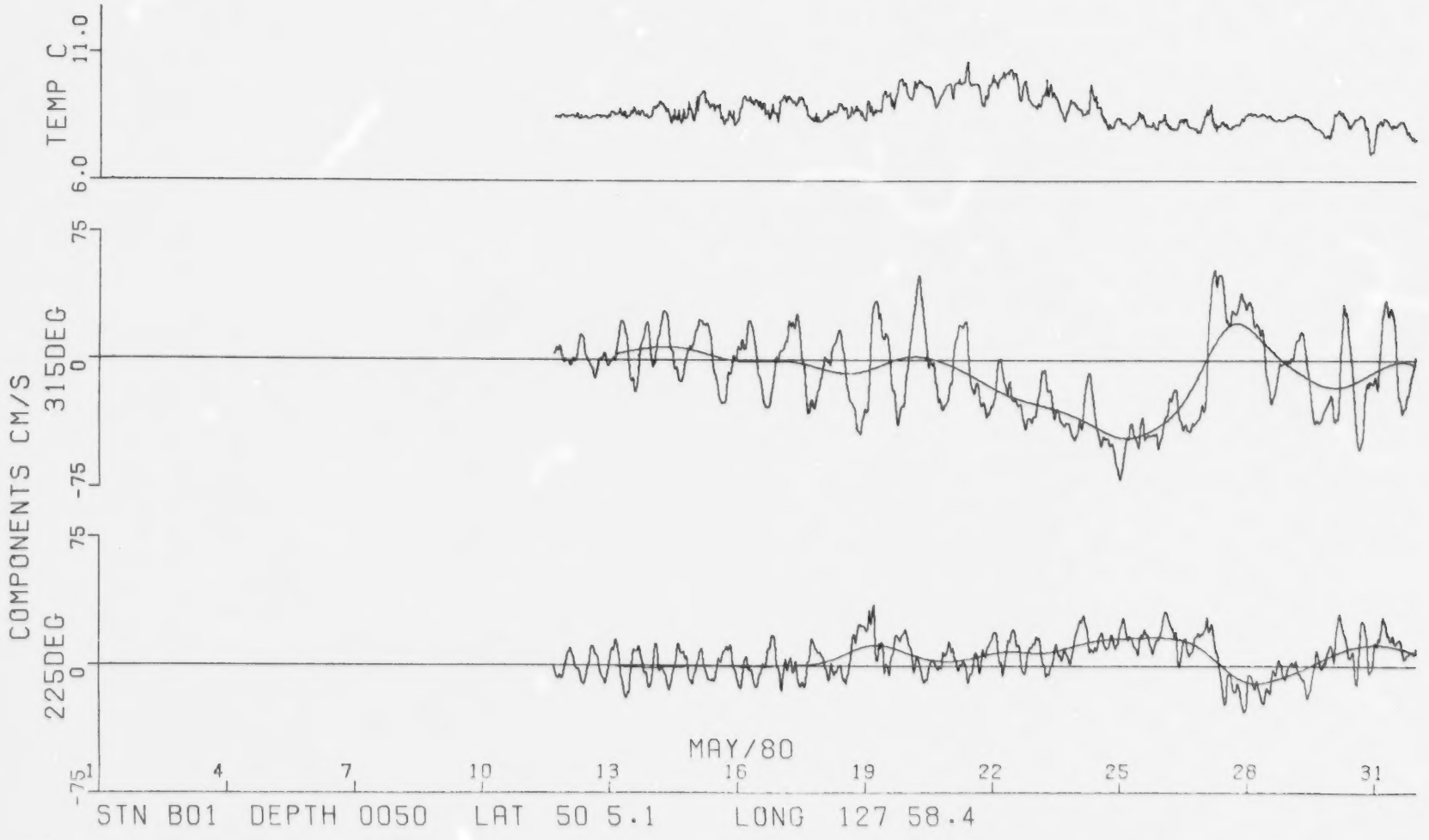
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

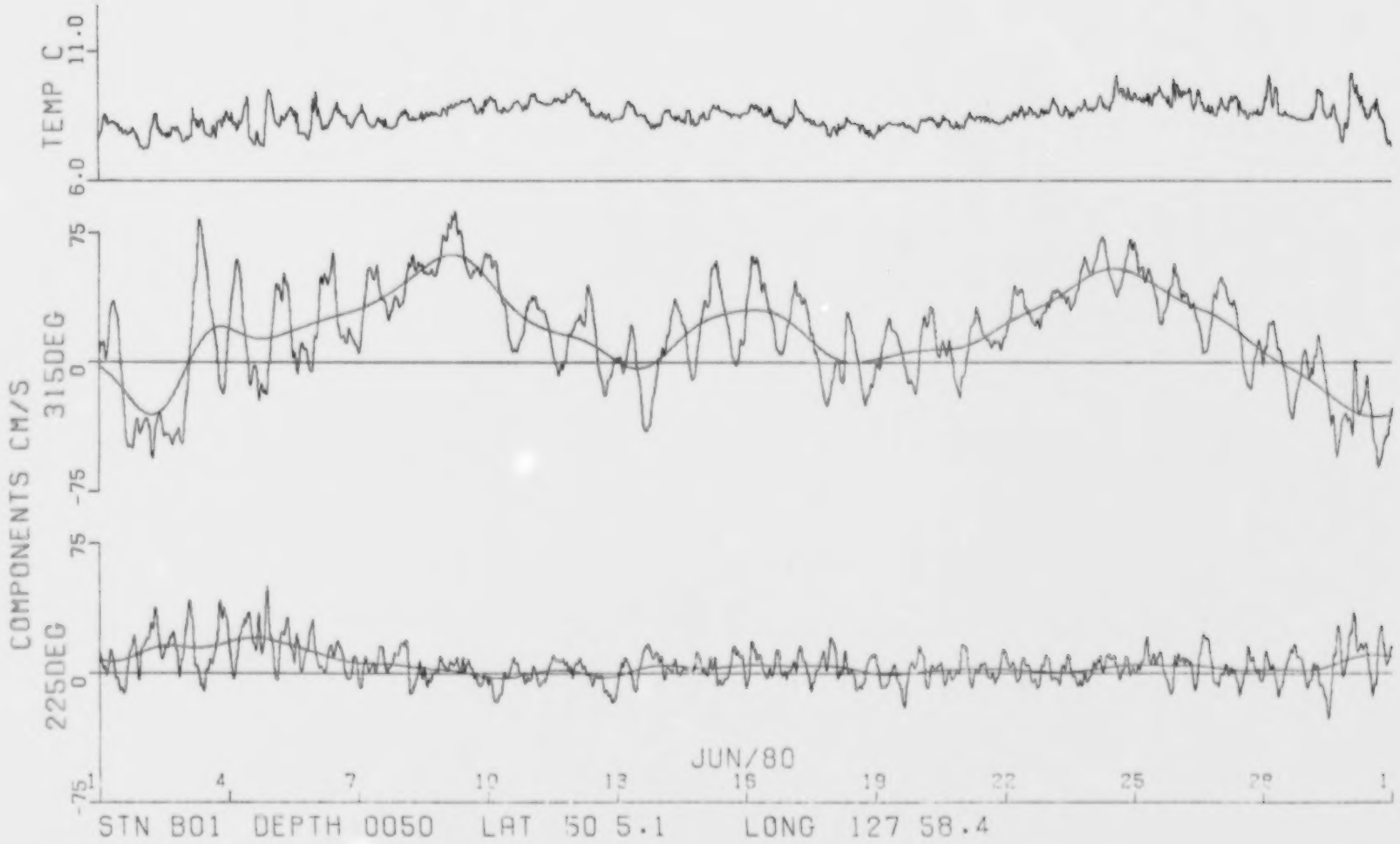
STN	DEPTH	AREA	DAY/YR	NO DAYS
E05	2000M	8600	129/80	27

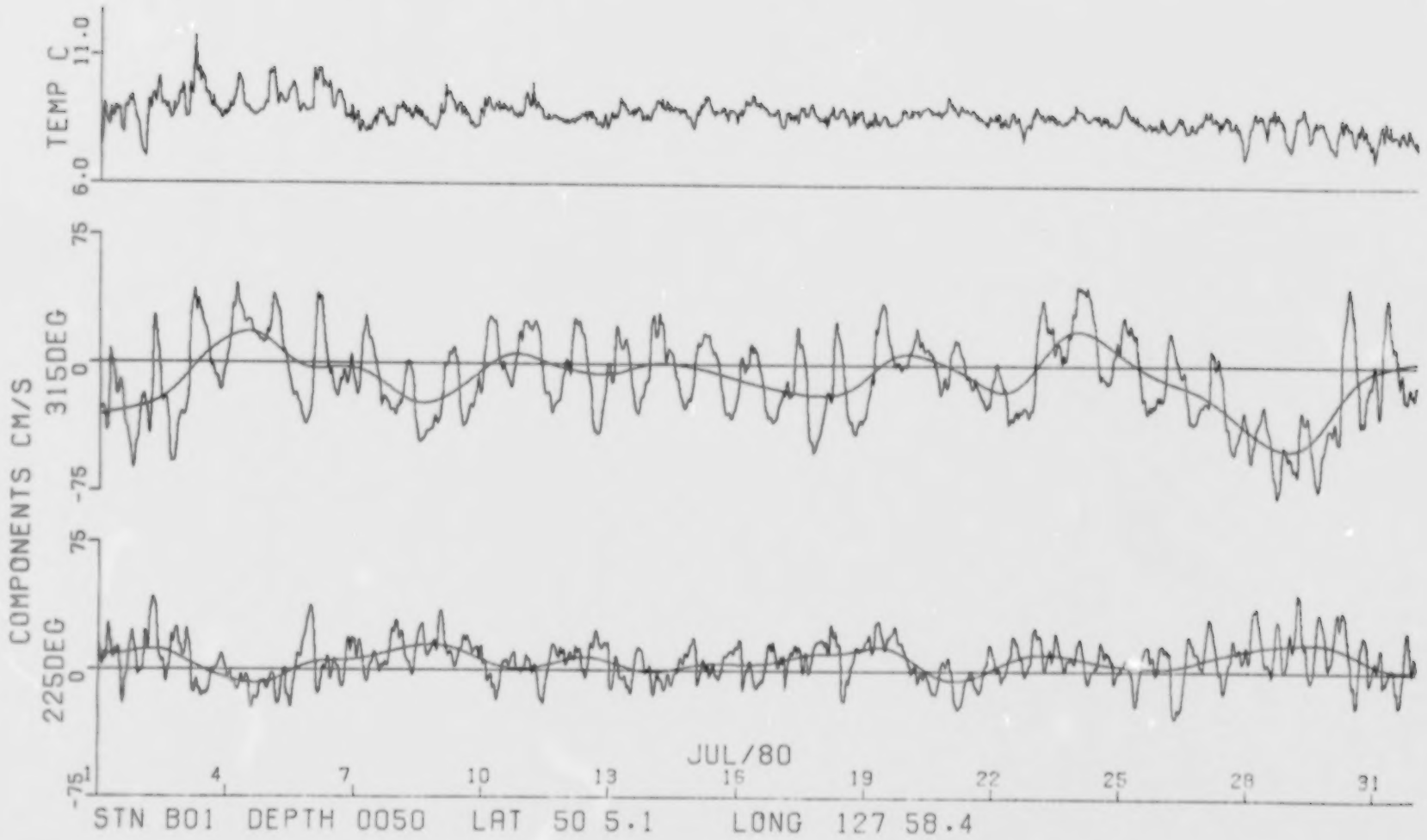
SCALE 10 KM

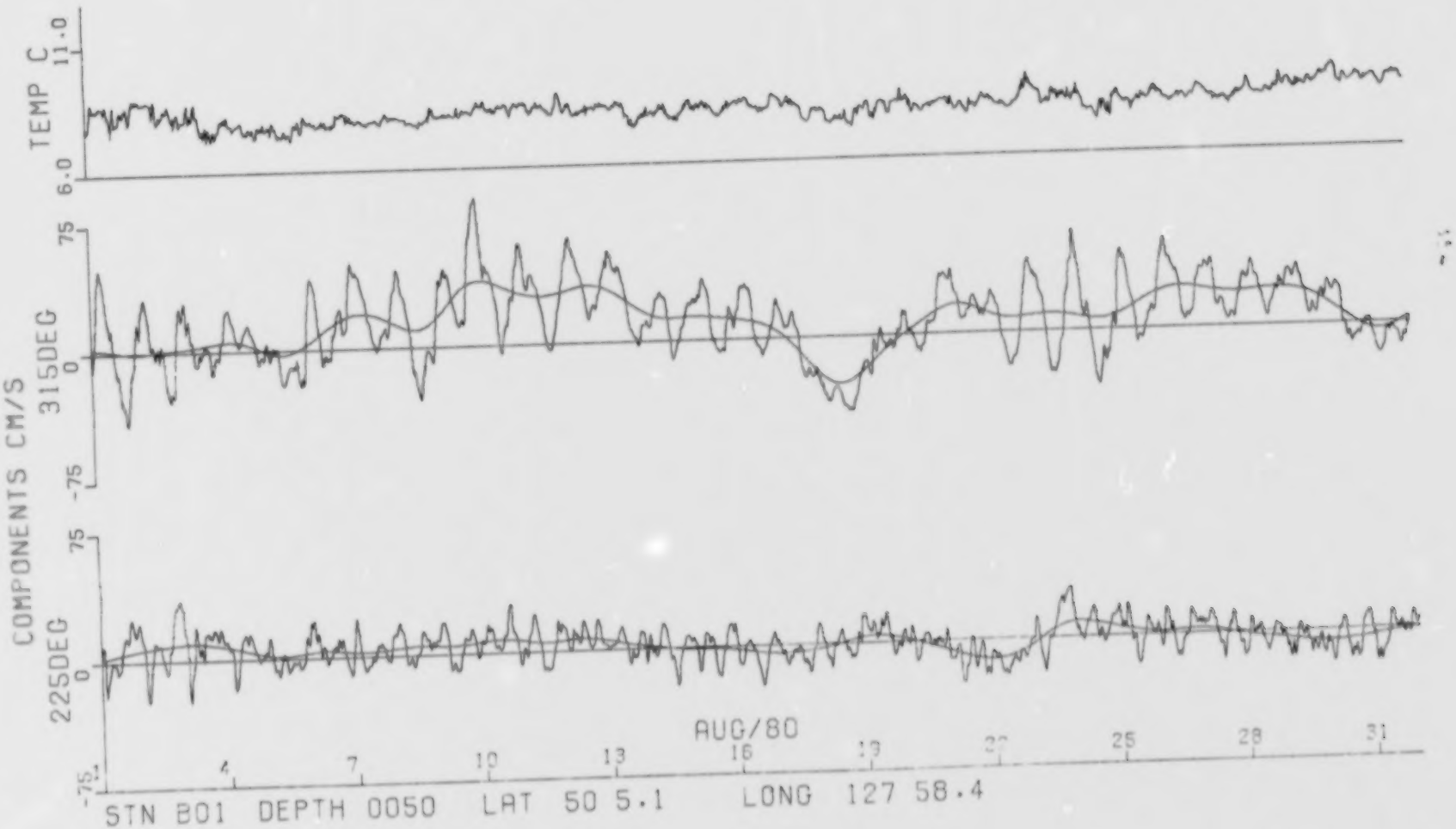


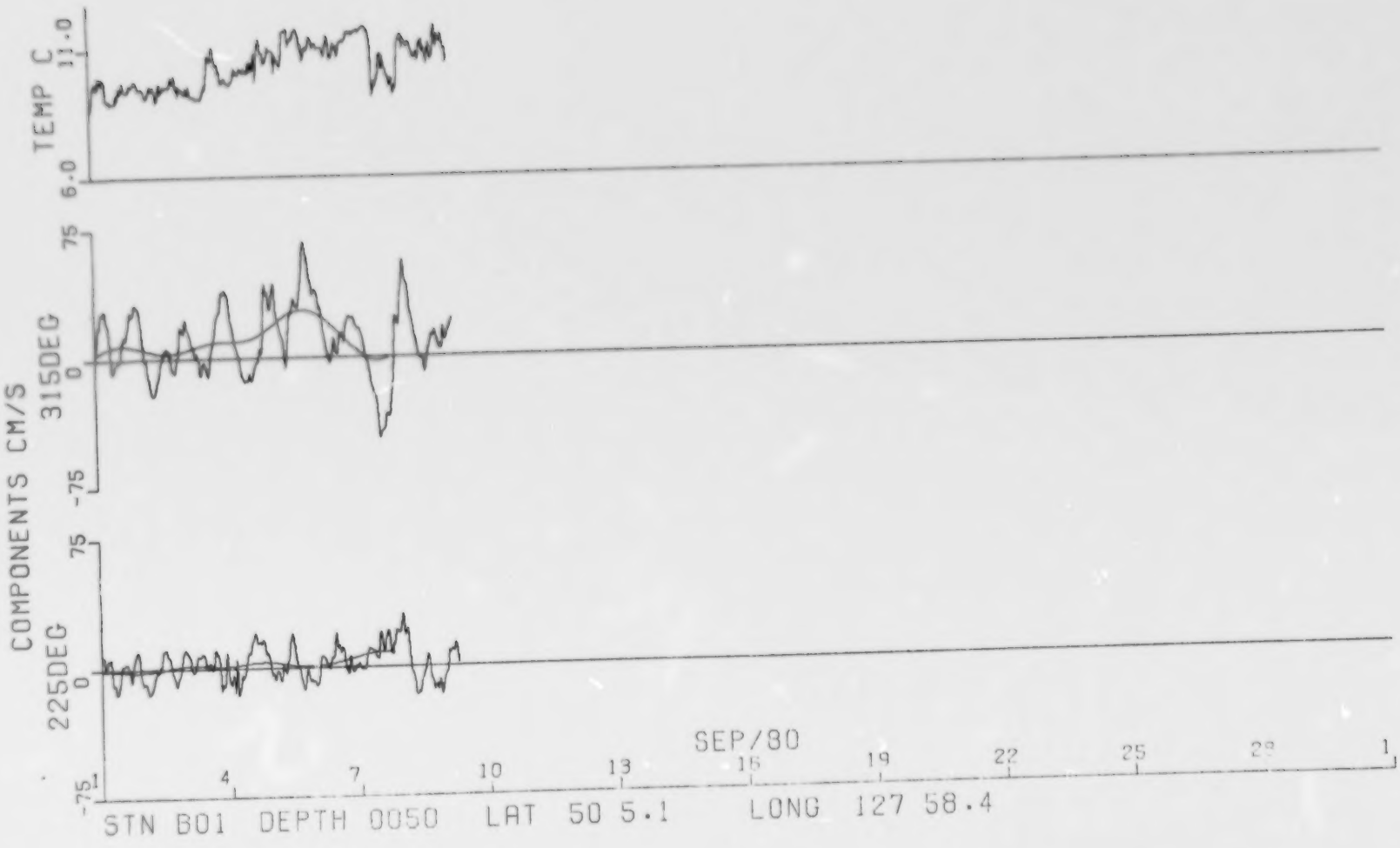

STATION E05
DEPTH 2000 METRES
START OF RECORD 8/ 5/1980
DURATION 27 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 0050 LAT 50 5.1 LONG 127 58.4


TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN B01 DEPTH 0050 LAT 50 5.1 LONG 127 58.4


TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 0050 LAT 50 5.1 LONG 127 58.4


TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
4
7
10
13
16
19
22
25
28
31
STN 801 DEPTH 0050 LAT 50 5.1 LONG 127 58.4


TEMP C
11.0
6.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
1
4
7
10
13
16
19
22
25
28
1
STN B01 DEPTH 0050 LAT 50 5.1 LONG 127 58.4

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B01 Depth 0050 BROOKS PENINSULA 50 05.1 N 127 58.4 W Length of record=121 Days
Start of record 30 mn 16 hr 11 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	003	016	024	014	016	016	002																			91
10- 19	010	008	020	007	010	002																				57
20- 29	004	016	018	007	008	002																				55
30- 39	010	012	015	005	003	002																				47
40- 49	004	010	009	009	002	001																				35
50- 59	005	014	010	008	002	001																				40
60- 69	005	010	009	009	004																					37
70- 79	005	006	010	011	004																					36
80- 89	005	011	011	013	003	003	002																			48
90- 99	006	010	008	009	007	004	001																			45
100-109	008	009	014	015	013	002	003	001																		65
110-119	010	012	017	018	009	005	005	005																		81
120-129	010	012	021	019	014	007	009	009	007	004	002															114
130-139	004	017	016	023	028	019	026	019	017	005	007	003	002	002												188
140-149	011	015	020	021	035	042	028	040	025	029	010	008	005	003	003	001										296
150-159	007	014	019	022	050	060	047	062	053	039	024	009	009	005	002	005	001									428
160-169	007	018	029	035	036	038	046	055	019	026	019	010	007	001	002	001										349
170-179	012	017	028	031	025	025	032	017	015	007	004	003		001												217
180-189	011	024	037	028	018	017	016	007	012	002	004		001													177
190-199	008	017	035	024	015	006	008	004	005	001																123
200-209	011	022	020	024	006	002	004	005	003		001															98
210-219	005	022	025	022	002	009	004	004		001																94
220-229	008	013	027	012	008	008	004		001																	81
230-239	003	025	013	016	005	005	002		001																	70
240-249	003	022	020	003	009	003	004	001	001	001																67
250-259	008	016	021	012	011	003	002	002	001	003																79
260-269	008	026	031	022	014	007	003	007	003	002																123
270-279	006	017	026	026	015	013	008	004	004																	119
280-289	012	020	031	022	023	018	014	016	012	006	004	001														179
290-299	007	020	032	031	037	027	014	020	012	016	010	009	001													236
300-309	003	025	033	051	074	041	040	059	041	028	034	031	013	003	004	001	001	003								485
310-319	010	026	044	042	072	070	072	052	060	045	051	021	017	012	012	009	010	001								626
320-329	003	025	046	036	051	064	064	063	047	021	016	014	008	004	001	001	001									465
330-339	006	015	042	029	051	031	027	025	012	003	001	003	002													247
340-349	002	020	031	032	034	023	012	007	005	002																168
350-359	007	022	023	025	021	015	005	002	003																	123
	604		733		591		486		241		112		31		18		4		0		0		0		0	5789
	247		835		735		504		359		187		65		24		13		0		0		0		0	

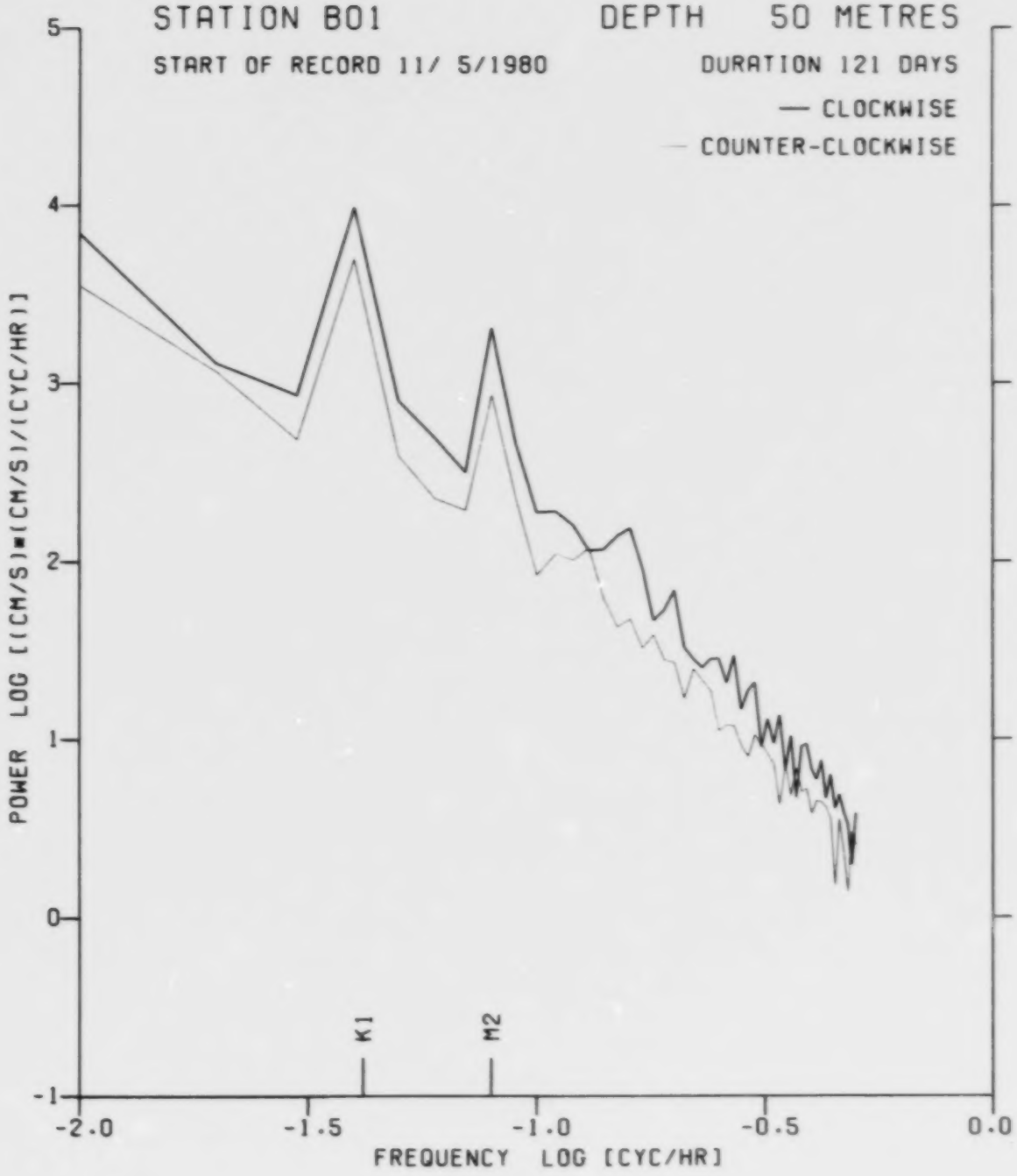
Number of zero rates: 0

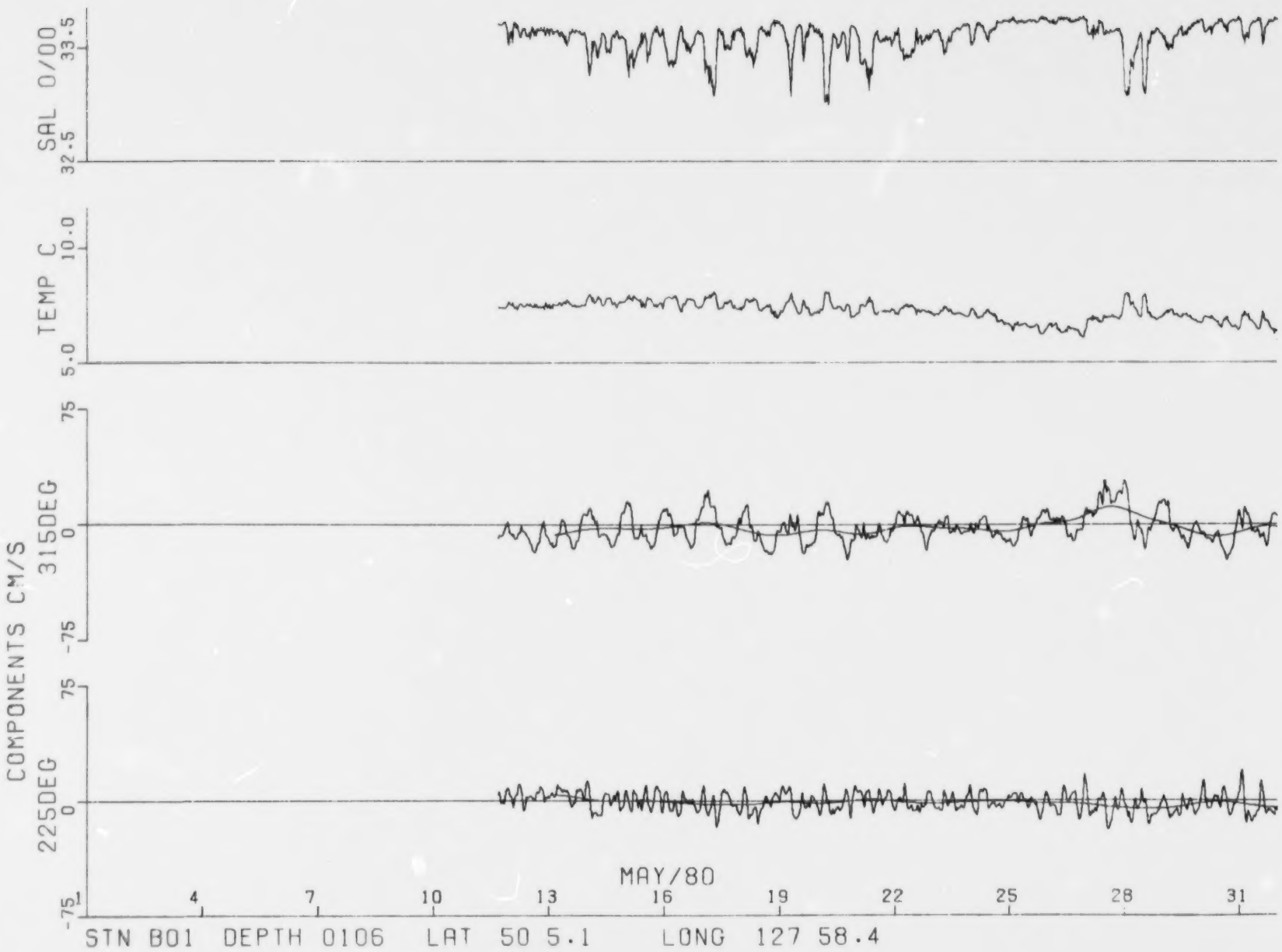
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

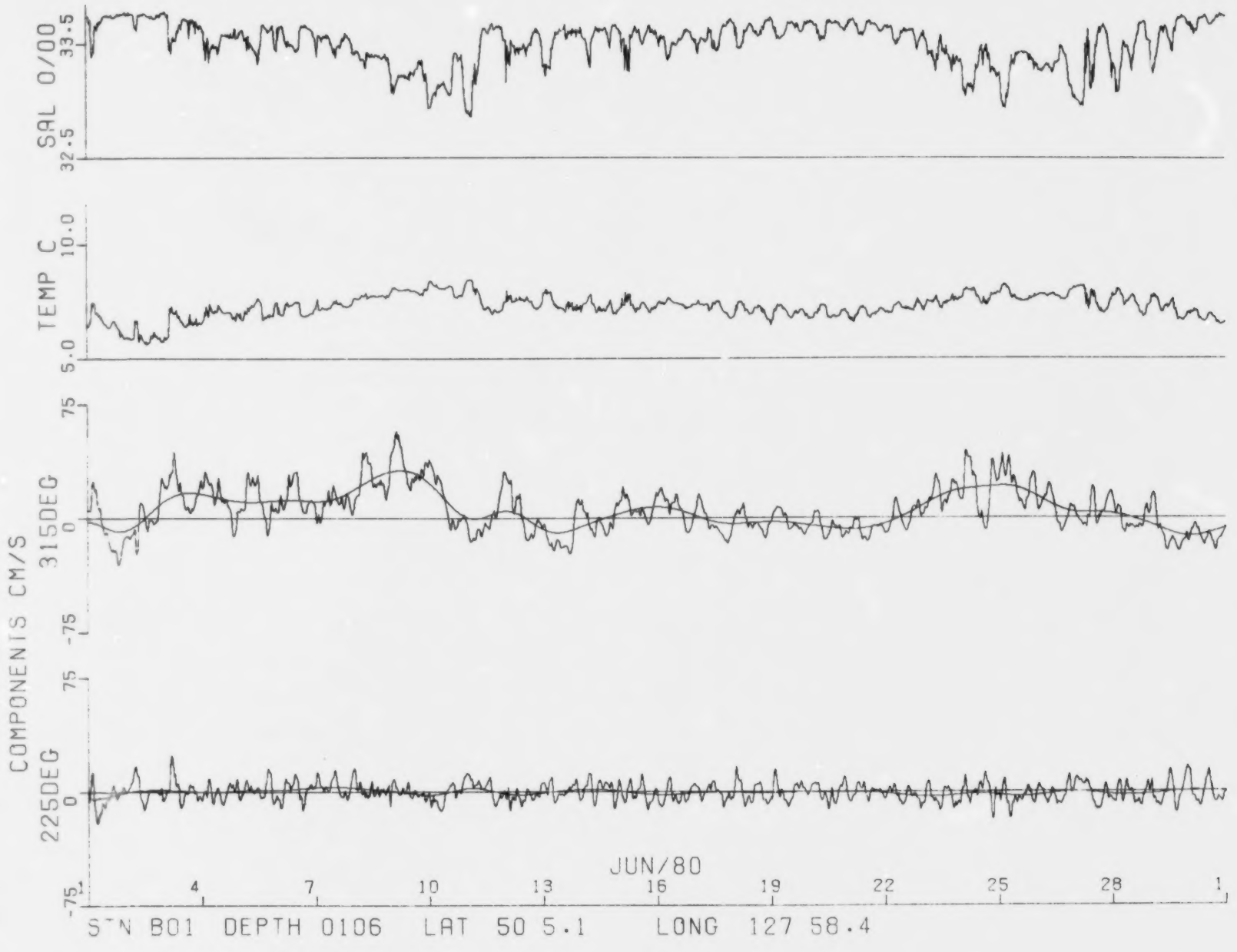
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

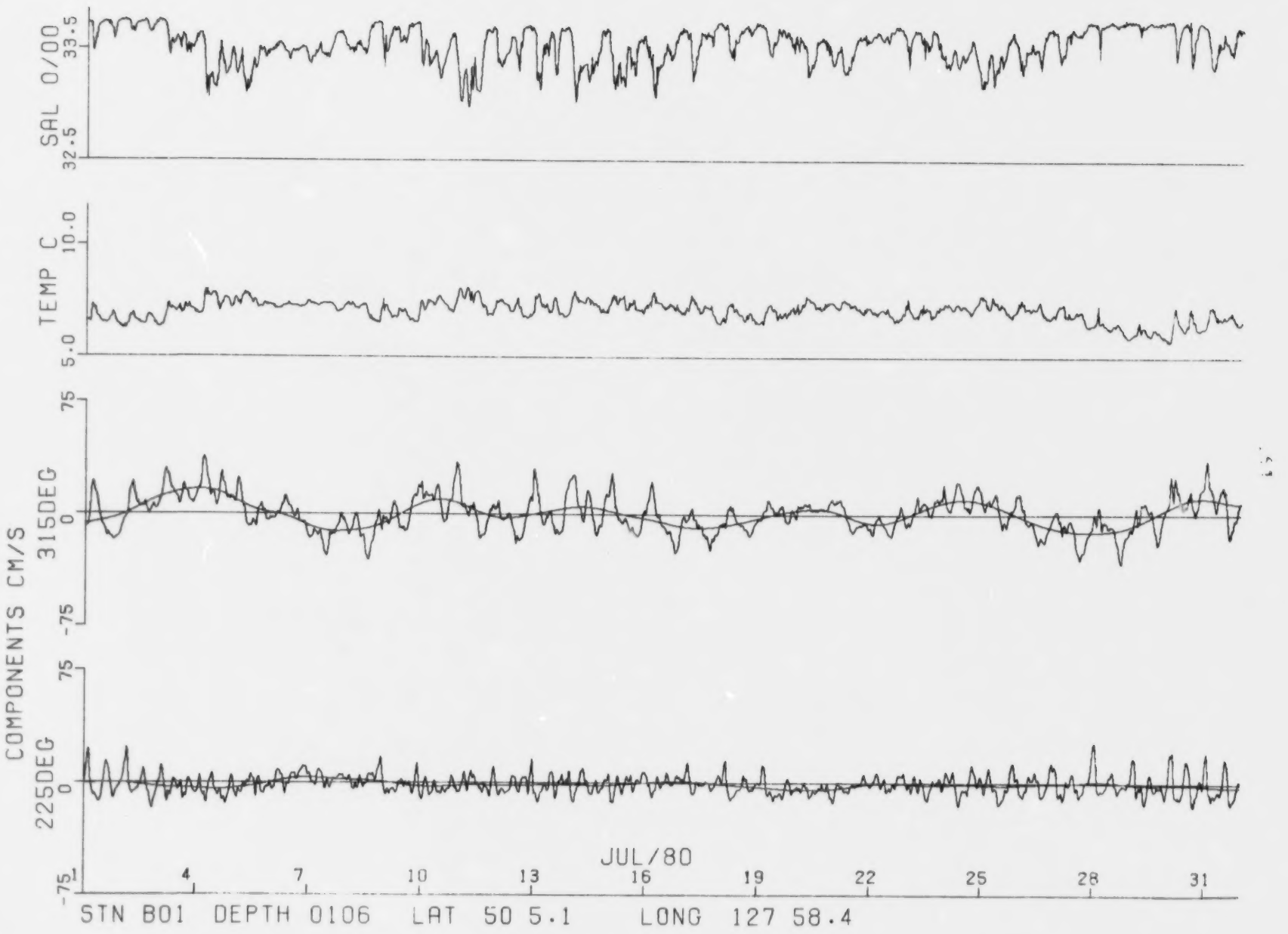
STN	DEPTH	AREA	DAY/YR	NO DAYS
B01	0050M	8700	132/80	121

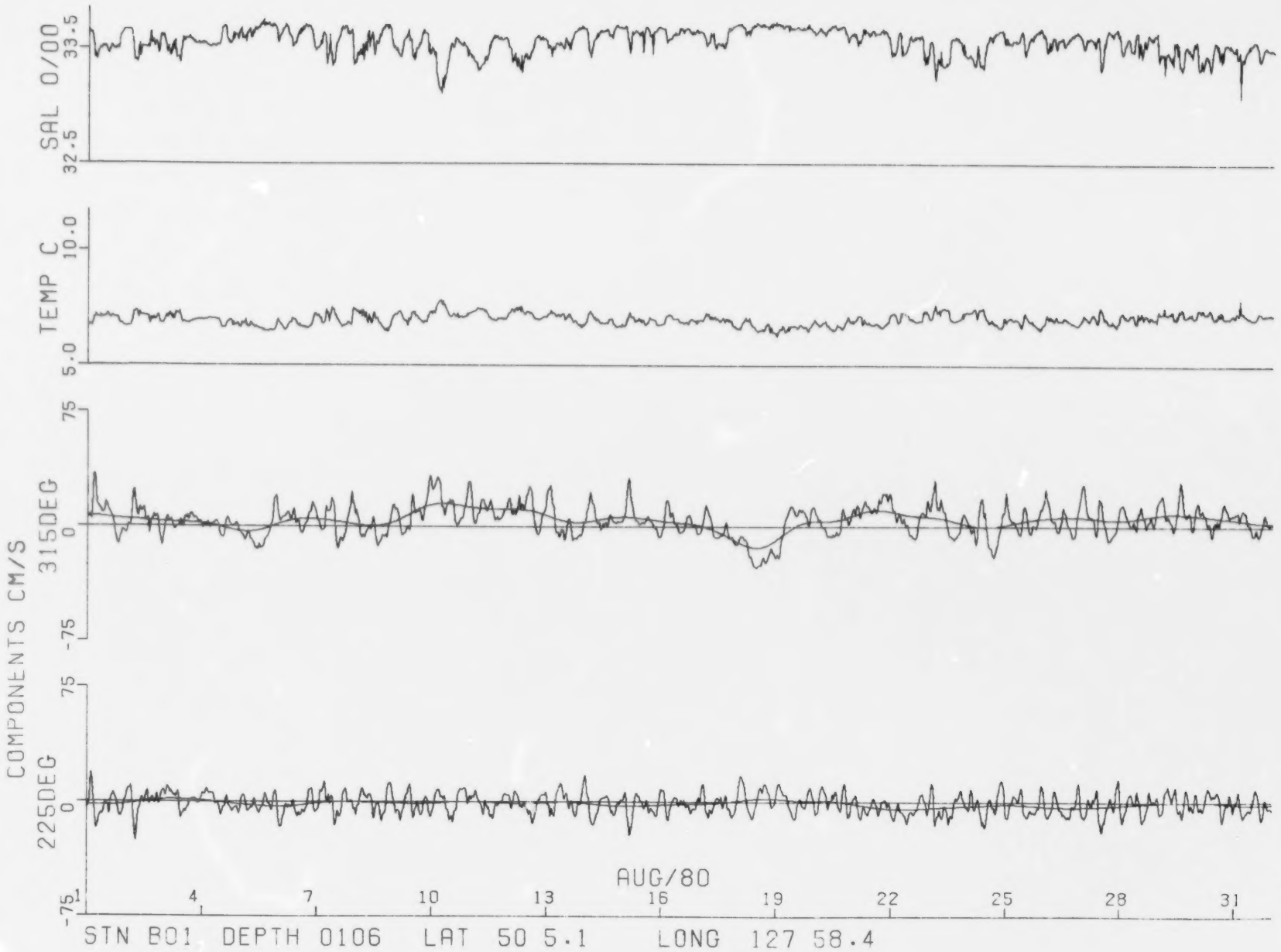
SCALE
100 KM

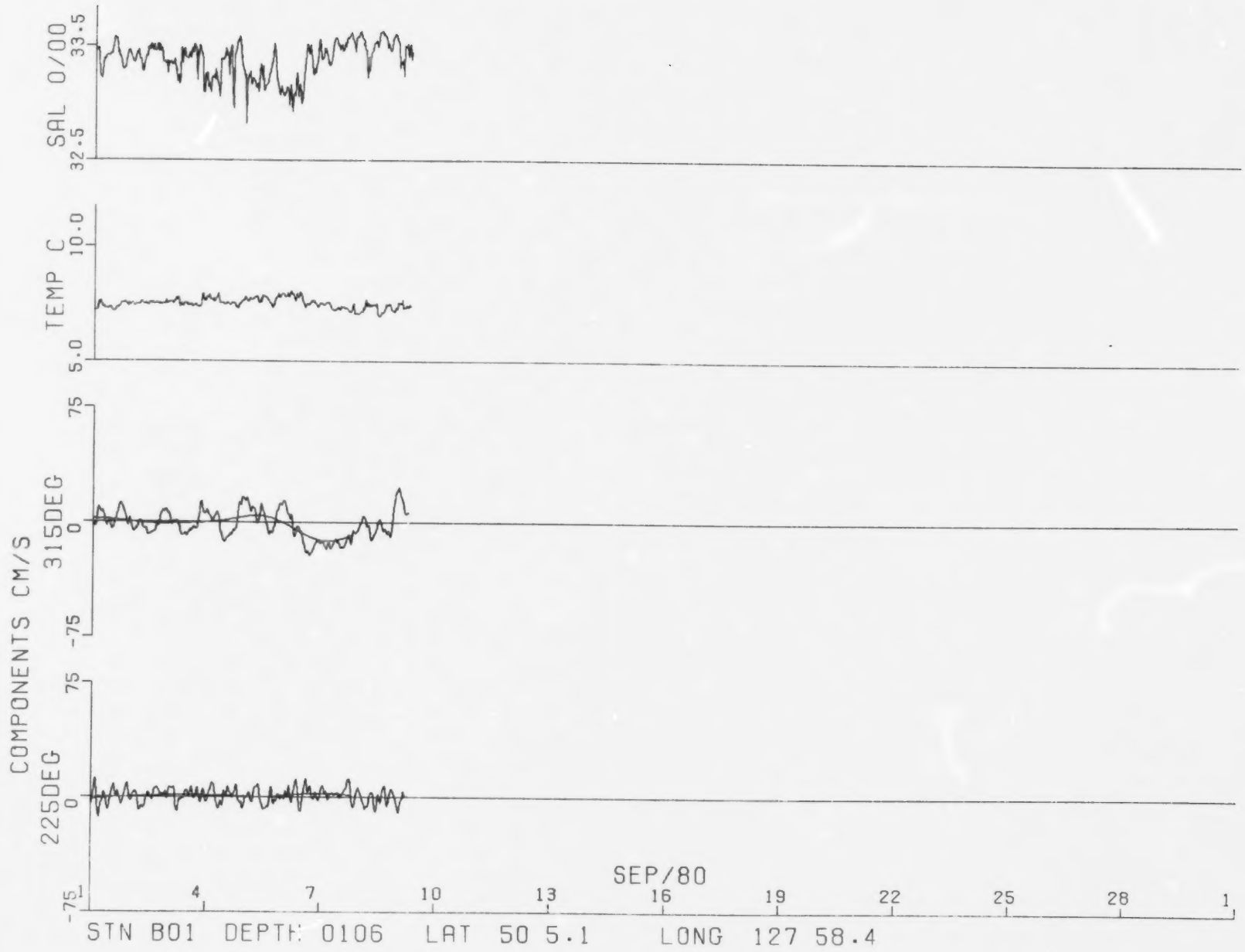

STATION B01
DEPTH 50 METRES
START OF RECORD 11/ 5/1980
DURATION 121 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL 0/00
33.5
32.5
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 0106 LAT 50 5.1 LONG 127 58.4


SAL 0/00
33.5
32.5
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN B01 DEPTH 0106 LAT 50 5.1 LONG 127 58.4


SAL O/OO
33.5
32.5
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 0106 LAT 50 5.1 LONG 127 58.4


SAL O/OO
33.5
32.5
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
4
7
10
13
16
19
22
25
28
31
STN B01 DEPTH 0106 LAT 50 5.1 LONG 127 58.4


SAL 0/00
33.5
32.5
TEMP C
10.0
5.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
1
4
7
10
13
16
19
22
25
28
1
STN B01 DEPTH 0106 LAT 50 5.1 LONG 127 58.4

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn BØ1 Depth Ø1Ø6 BROOKS PENINSULA 5Ø Ø5.1 N 127 58.4 W Length of record=121 Days
Start of record 3Ø mn 16 hr 11 dy 5 mo 8Ø yr PST Rate of obser.= 2 per Hour

DIR	CMS/SEC ØØ1 to ØØ4	ØØ5 to ØØ9	Ø1Ø to Ø14	Ø15 to Ø19	Ø2Ø to Ø24	Ø25 to Ø29	Ø3Ø to Ø34	Ø35 to Ø39	Ø4Ø to Ø44	Ø45 to Ø49	Ø5Ø to Ø54	Ø55 to Ø59	Ø6Ø to Ø64	Ø65 to Ø69	Ø7Ø to Ø74	Ø75 to Ø79	Ø8Ø to Ø84	Ø85 to Ø89	Ø9Ø to Ø94	Ø95 to Ø99	1ØØ to 1Ø4	1Ø5 to 1Ø9	11Ø to 114	115 to 119	12Ø to 124	
Ø- 9	Ø16	Ø73	Ø49	Ø16	ØØ5	ØØ3	ØØ1																			163
1Ø- 19	Ø14	Ø72	Ø31	Ø12	ØØ1	ØØ2																				132
2Ø- 29	Ø14	Ø7Ø	Ø38	Ø11	ØØ1	ØØ1																				135
3Ø- 39	Ø18	Ø59	Ø21	ØØ4																						1Ø2
4Ø- 49	ØØ8	Ø6Ø	Ø2Ø	ØØ1																						89
5Ø- 59	ØØ8	Ø38	Ø13	ØØ4																						63
6Ø- 69	Ø12	Ø48	Ø37	ØØ3																						1ØØ
7Ø- 79	Ø14	Ø68	Ø23	ØØ1																						1Ø6
8Ø- 89	Ø17	Ø55	Ø44	ØØ5																						121
9Ø- 99	Ø17	Ø81	Ø28	ØØ8	ØØ3																					137
1ØØ-1Ø9	Ø15	Ø84	Ø43	Ø14	ØØ6																					162
11Ø-119	Ø16	Ø75	Ø74	Ø4Ø	Ø12	ØØ6	ØØ2																			225
12Ø-129	Ø19	Ø79	Ø78	Ø42	Ø16	Ø11	ØØ1																			246
13Ø-139	Ø22	Ø74	Ø95	Ø5Ø	Ø18	Ø13	ØØ3																			275
14Ø-149	Ø2Ø	Ø96	Ø88	Ø31	Ø2Ø	ØØ3	ØØ1																			259
15Ø-159	Ø31	Ø81	Ø76	Ø28	Ø17	ØØ4																				237
16Ø-169	ØØ8	Ø82	Ø45	Ø15	Ø11	ØØ2																				163
17Ø-179	ØØ7	Ø71	Ø23	Ø12	ØØ5																					118
18Ø-189	Ø15	Ø71	Ø26	ØØ8																						12Ø
19Ø-199	ØØ8	Ø41	Ø2Ø	Ø1Ø	ØØ1																					8Ø
2ØØ-2Ø9	Ø21	Ø45	Ø11	ØØ9	ØØ1																					87
21Ø-219	Ø18	Ø29	Ø14	ØØ3																						64
22Ø-229	Ø14	Ø57	Ø15	ØØ2	ØØ2	ØØ2																				92
23Ø-239	Ø12	Ø52	Ø13	ØØ6	ØØ2																					85
24Ø-249	Ø13	Ø47	Ø14	ØØ5	ØØ2																					81
25Ø-259	Ø2Ø	Ø51	Ø25	ØØ8	ØØ1																					1Ø5
26Ø-269	Ø21	Ø45	Ø17	ØØ5	ØØ2																					9Ø
27Ø-279	Ø12	Ø48	Ø37	ØØ9	ØØ3	ØØ2	ØØ1	ØØ3																		115
28Ø-289	ØØ9	Ø6Ø	Ø35	Ø12	ØØ6	ØØ3	ØØ1	ØØ1	ØØ1																	128
29Ø-299	Ø14	Ø55	Ø53	Ø26	Ø11	ØØ5	ØØ4	ØØ3																		171
3ØØ-3Ø9	Ø17	Ø67	Ø86	Ø36	Ø25	Ø14	Ø13	ØØ4	ØØ6	ØØ3																271
31Ø-319	Ø22	Ø67	Ø9Ø	Ø37	Ø55	Ø4Ø	Ø17	ØØ8	ØØ7	ØØ3	ØØ5	ØØ2														353
32Ø-329	Ø15	Ø66	Ø78	Ø49	Ø49	Ø32	Ø17	Ø11	ØØ5																	322
33Ø-339	Ø12	Ø78	Ø81	Ø66	Ø45	Ø33	ØØ7	ØØ2	ØØ2																	326
34Ø-349	Ø2Ø	Ø74	Ø63	Ø59	Ø35	Ø13	ØØ1	ØØ1	ØØ2																	268
35Ø-359	Ø1Ø	Ø74	Ø7Ø	Ø27	Ø12	ØØ4	ØØ1																			198
	2293		674		193		33		6		2		Ø		Ø		Ø		Ø		Ø		Ø		Ø	5789
	549	1574		367		7Ø		23		5		Ø		Ø		Ø		Ø		Ø		Ø		Ø		

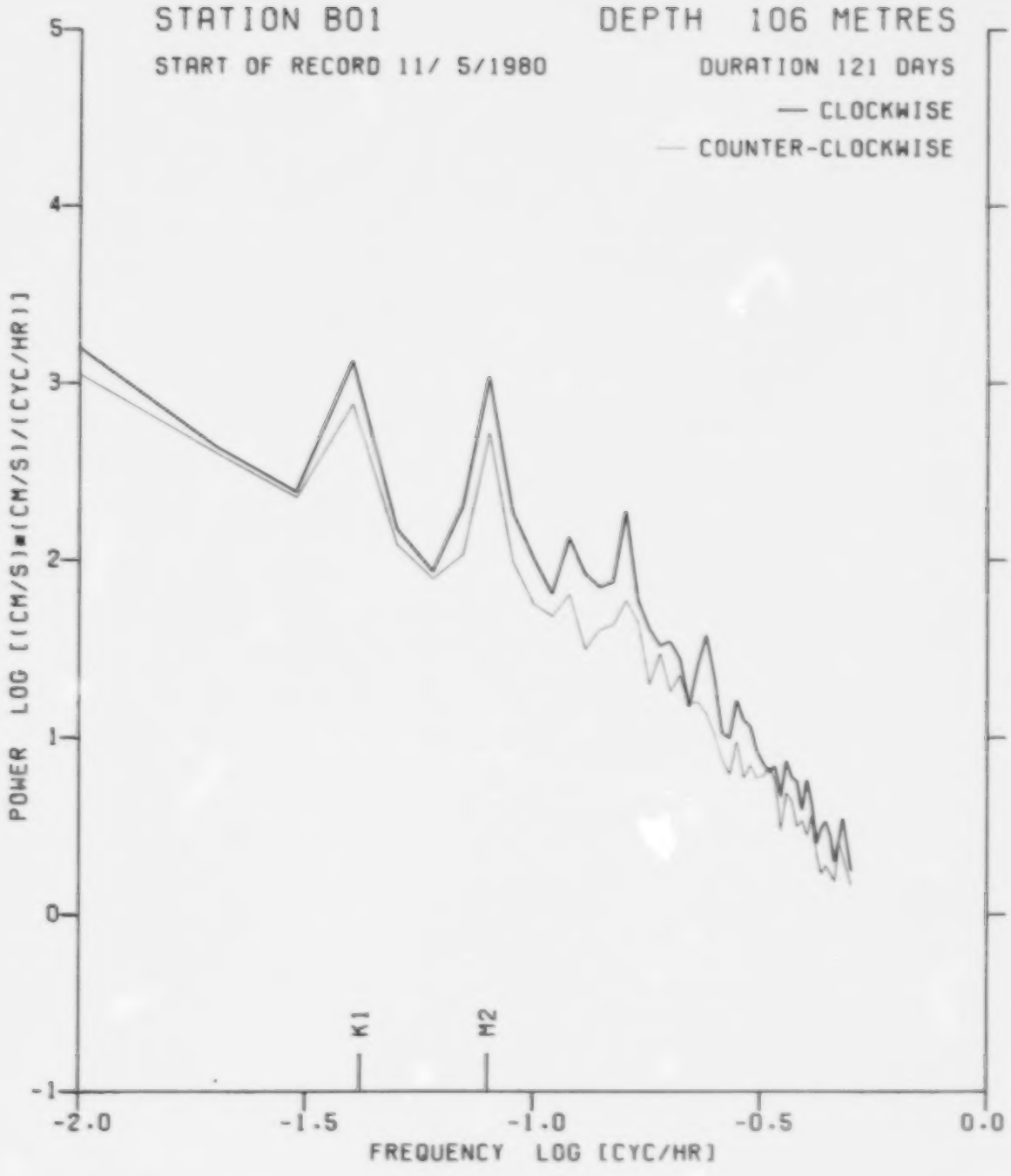
Number of zero rates: Ø

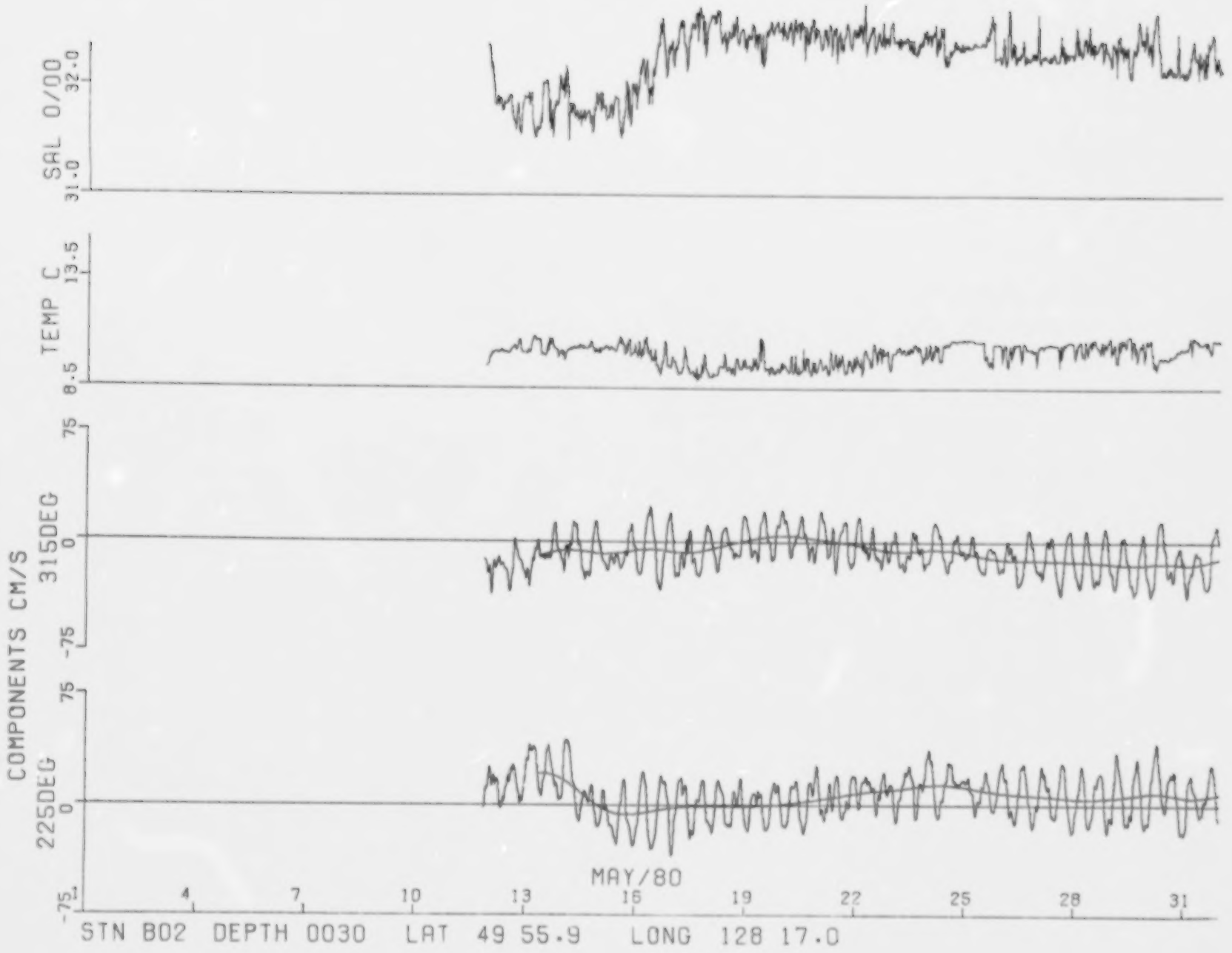
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

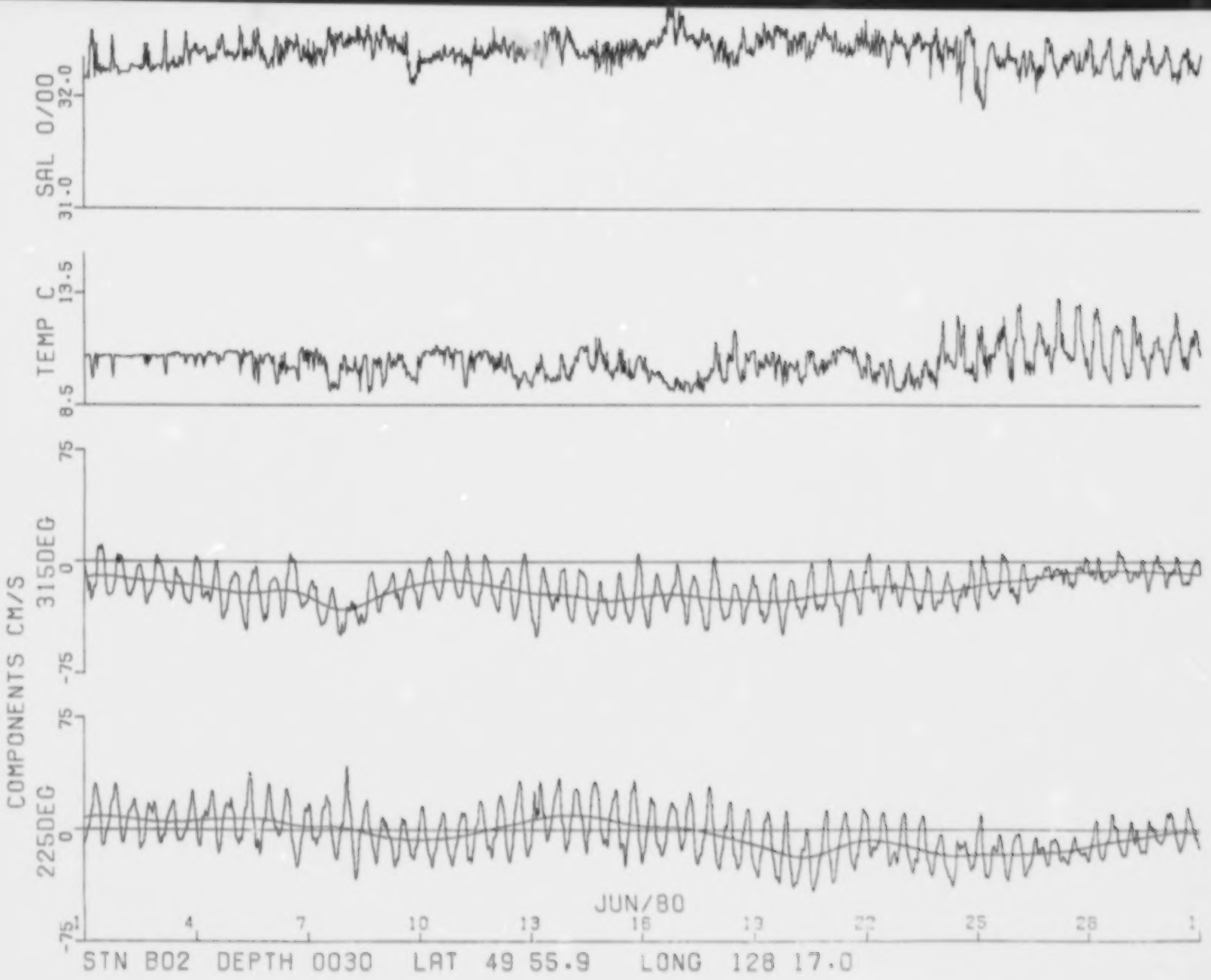
⊠ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

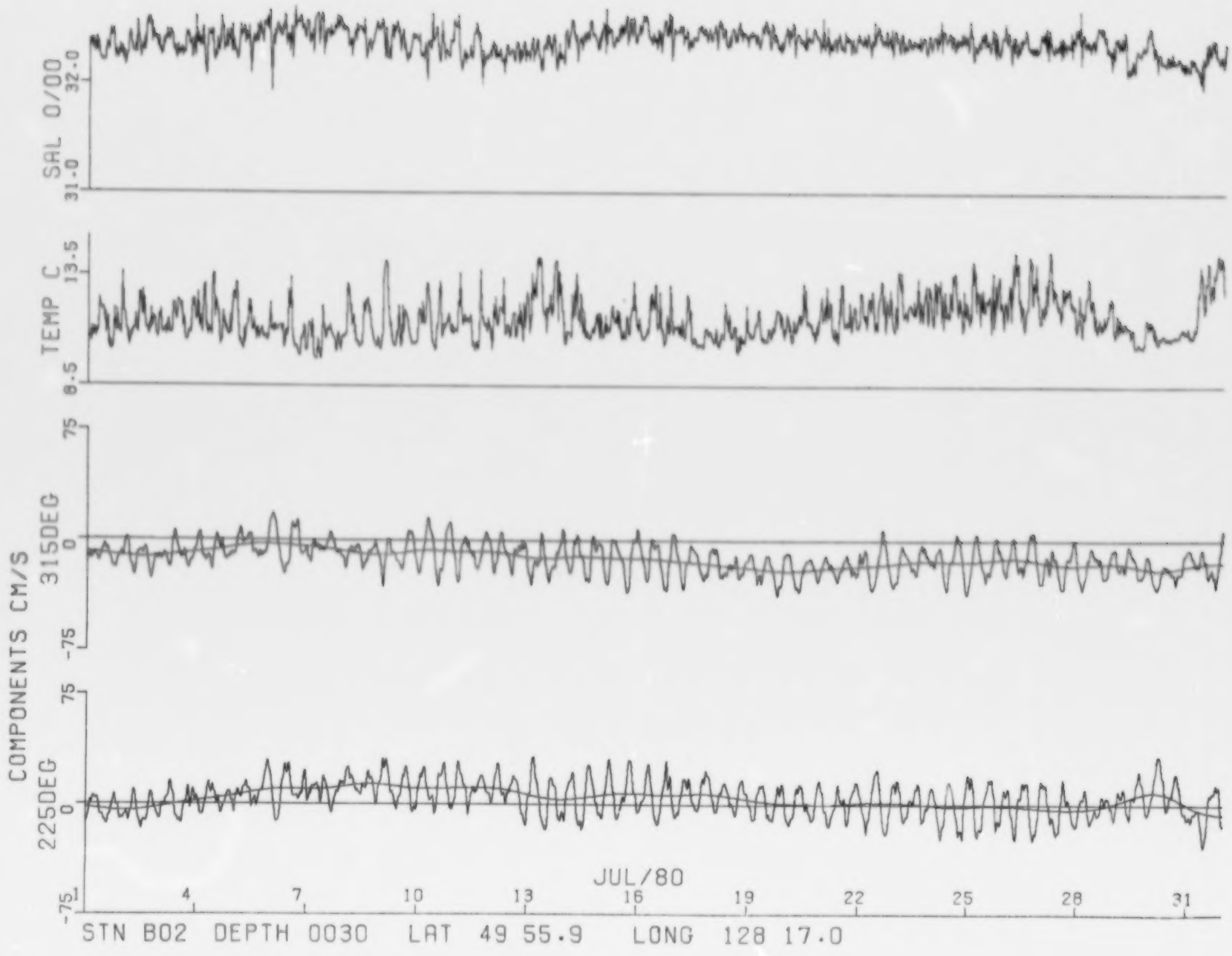
STN	DEPTH	AREA	DAY/YR	NO DAYS
B01	0106M	8700	132/80	121

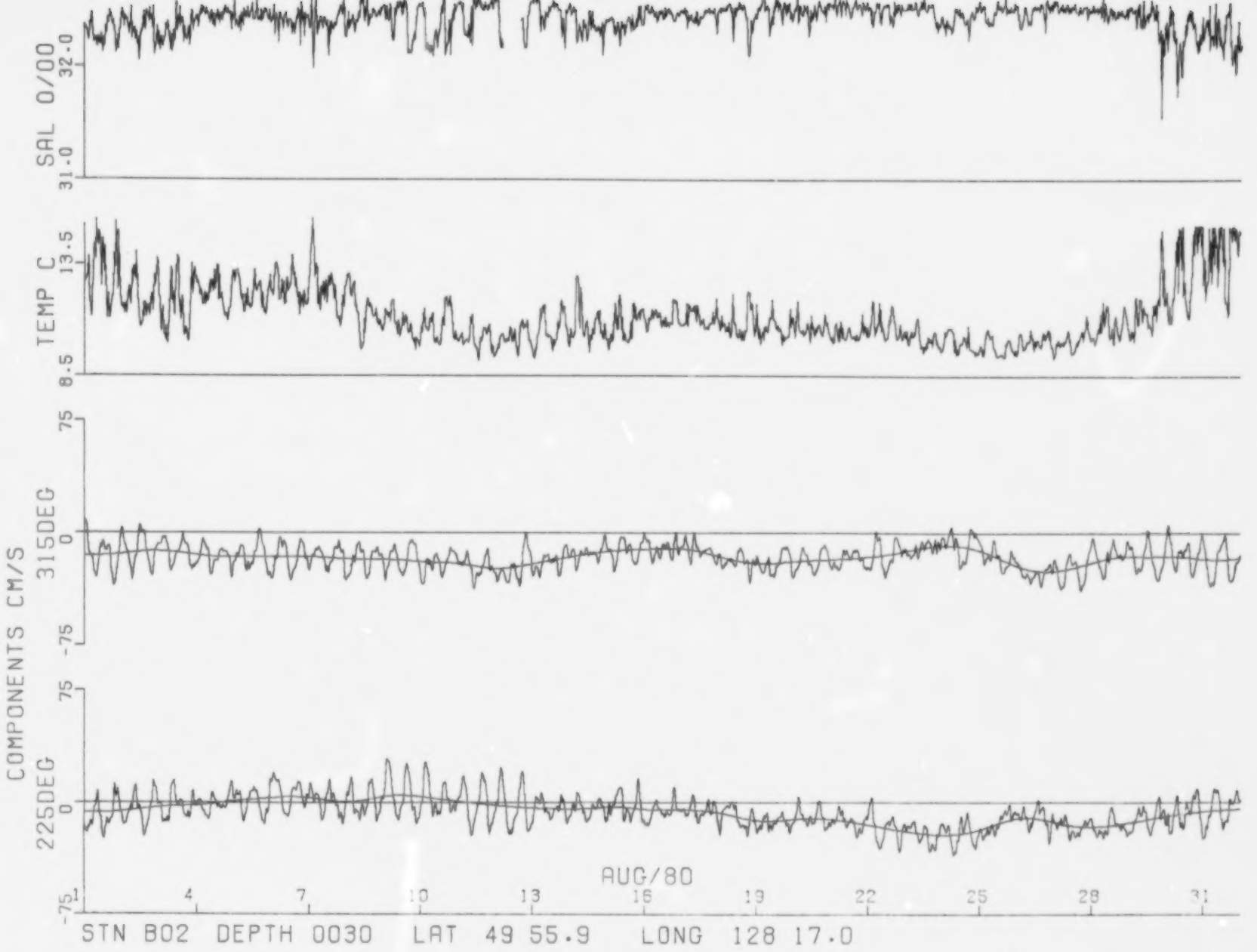
SCALE 100 KM


STATION B01
DEPTH 106 METRES
START OF RECORD 11/ 5/1980
DURATION 121 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**2/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
32.0
31.0
TEMP C
13.5
8.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN B02 DEPTH 0030 LAT 49 55.9 LONG 128 17.0


SAL O/OO
32.0
31.0
TEMP C
13.5
8.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
4
7
10
13
16
19
22
25
28
1
STN B02 DEPTH 0030 LAT 49 55.9 LONG 128 17.0


SAL O/OO
32.0
31.0
TEMP C
13.5
0.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN B02 DEPTH 0030 LAT 49 55.9 LONG 128 17.0


SAL O/OO
32.0
31.0
TEMP C
13.5
8.5
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN B02 DEPTH 0030 LAT 49 55.9 LONG 128 17.0

STN B02 DEPTH 0030 LAT 49 55.9 LONG 128 17.0
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
8.5
13.5
SAL 0/00
31.0
32.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B02 Depth 0030 BROOKS PENINSULA 49 55.9 N 128 17.0 W Length of record=120 Days
Start of record 30 mn 21 hr 11 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

DIR	CMS/SEC 001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	002	015	007	007	001		001																			33
10- 19		008	008	006	001		001																			24
20- 29	001	014	012	006	001	001	001																			36
30- 39	004	015	019	019	007	002	002																			68
40- 49	003	020	020	019	007	008	007	001																		85
50- 59	002	019	035	031	035	014	014	002	001																	153
60- 69	004	022	055	044	044	021	016	003	003																	212
70- 79	002	026	051	054	051	030	015	009	003	003																244
80- 89		029	081	081	077	053	032	005	008	006																372
90- 99	003	020	068	066	076	057	030	012	008	002	001															343
100-109	003	021	091	072	081	064	042	027	003	002																406
110-119		023	077	069	087	084	038	030	004	002	001															415
120-129	001	025	072	062	061	068	040	019	003	003																354
130-139	001	033	052	059	045	064	046	022	013	003																338
140-149	002	027	062	072	074	067	033	025	014	003	001															380
150-159	004	022	054	051	087	062	049	024	016	004	001															374
160-169	002	024	043	057	071	080	053	033	013	005	002															383
170-179	001	023	046	054	072	066	043	015	016	005	002															343
180-189	004	014	058	048	043	030	026	020	007	001	002															253
190-199	004	016	031	039	036	024	021	015	003	002																191
200-209	004	012	040	042	035	020	017	014	002																	186
210-219		005	023	028	019	011	006	005	005																	102
220-229	002	016	027	019	014	009	003	001	005																	96
230-239	001	012	014	017	011	011			001																	67
240-249	001	008	018	017	006	002	002		001																	55
250-259	001	007	009	013	004	004	001																			39
260-269	002	008	009	008	007	001																				35
270-279		011	009	009	002	001																				32
280-289	002	010	014	007	002																					35
290-299	001	002	004	005	002																					14
300-309	003	002	005	003	004																					17
310-319		005	003	005	001																					14
320-329	002	005	006	002	001																					16
330-339	001	007	005	004	003																					20
340-349	002	008	005	003	001	001																				20
350-359	002	011	006	005	002		001																			27
	67	545	1139	1103	1071	855	540	282	129	41	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5782

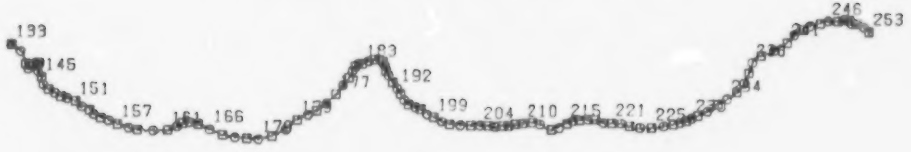
Number of zero rates! 0

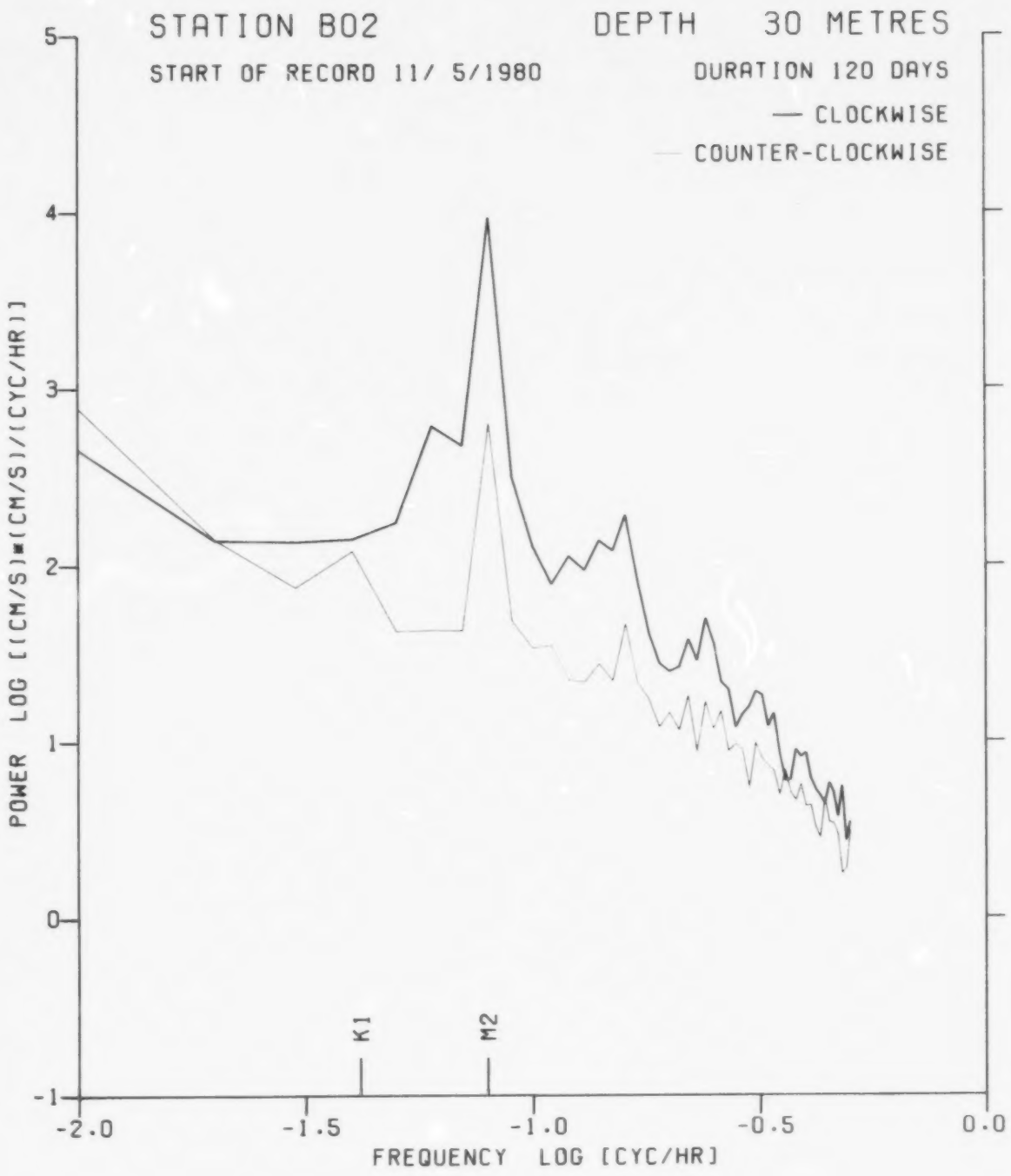
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

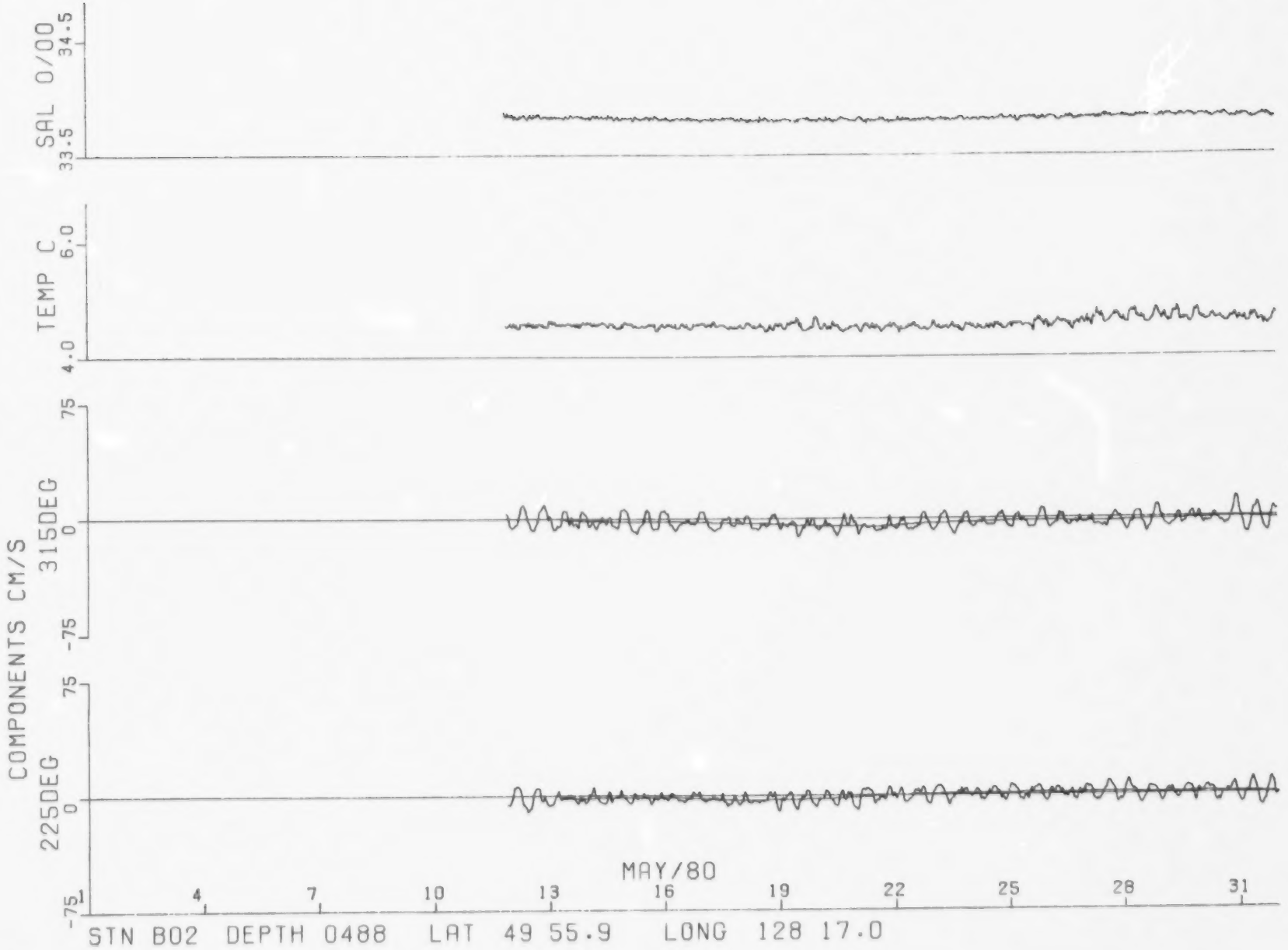
□ODD NUMBERED DAYS
○EVEN NUMBERED DAYS

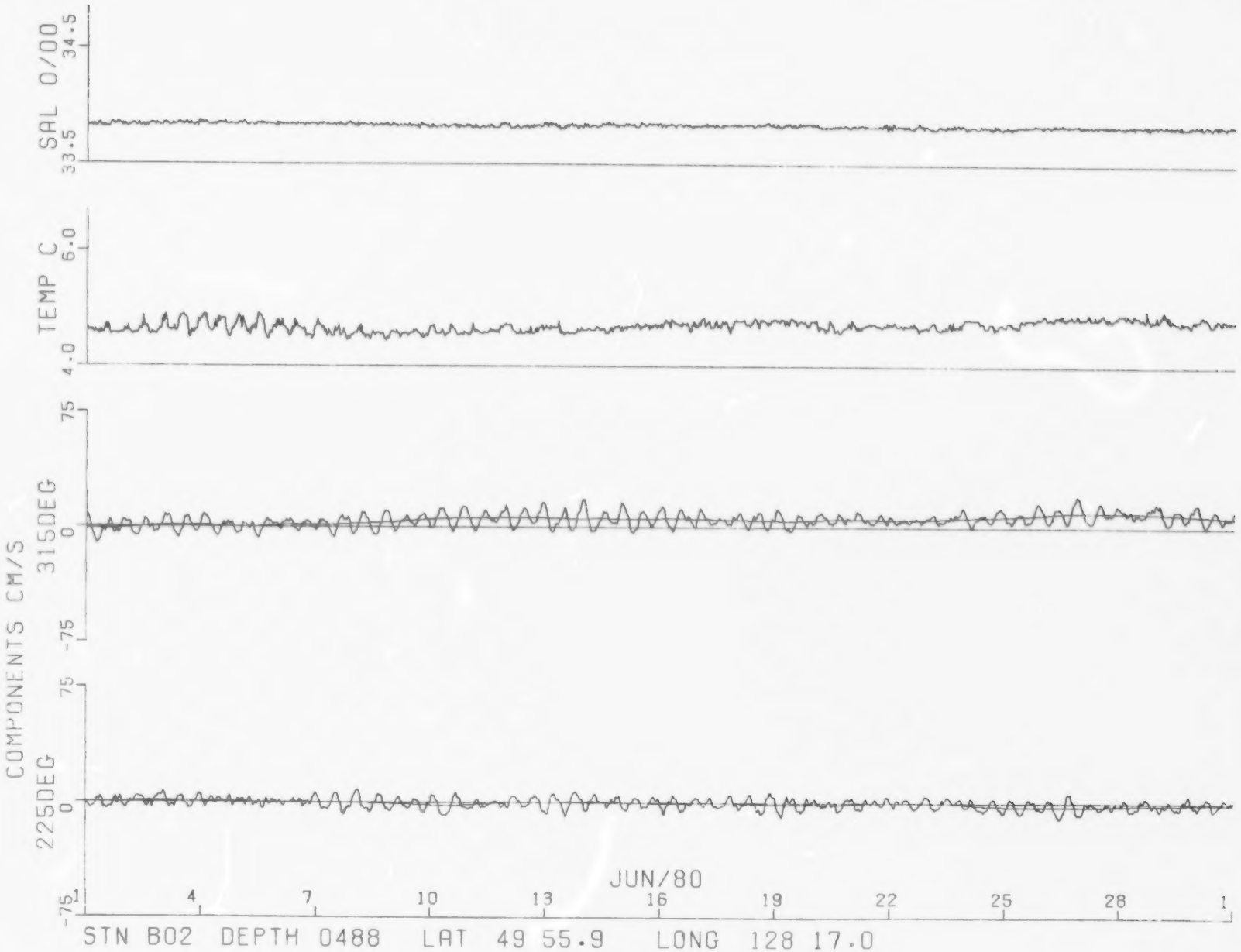
STN	DEPTH	AREA	DAY/YR	NO DAYS
802	0030M	8700	132/80	120

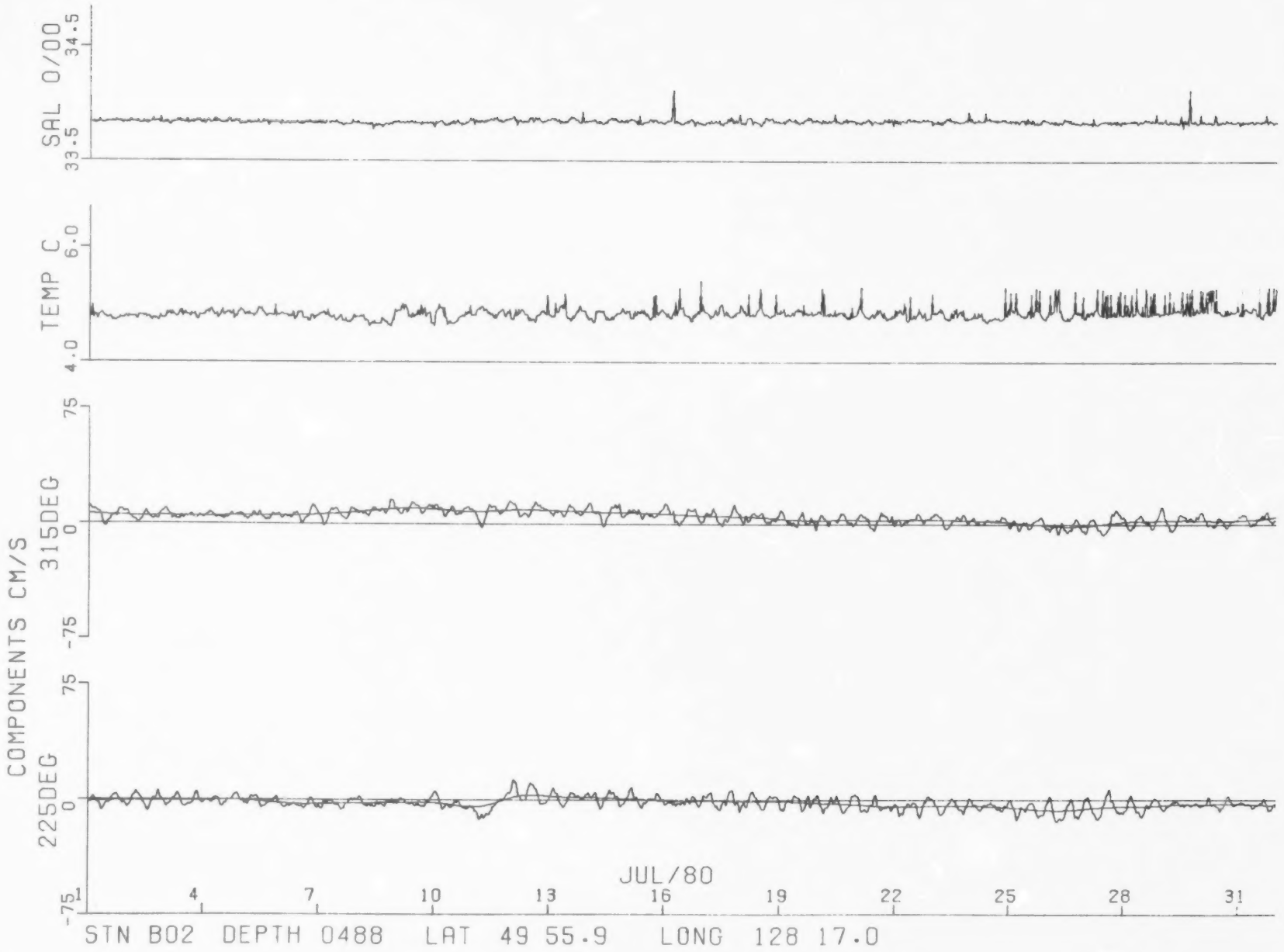
SCALE
100 KM

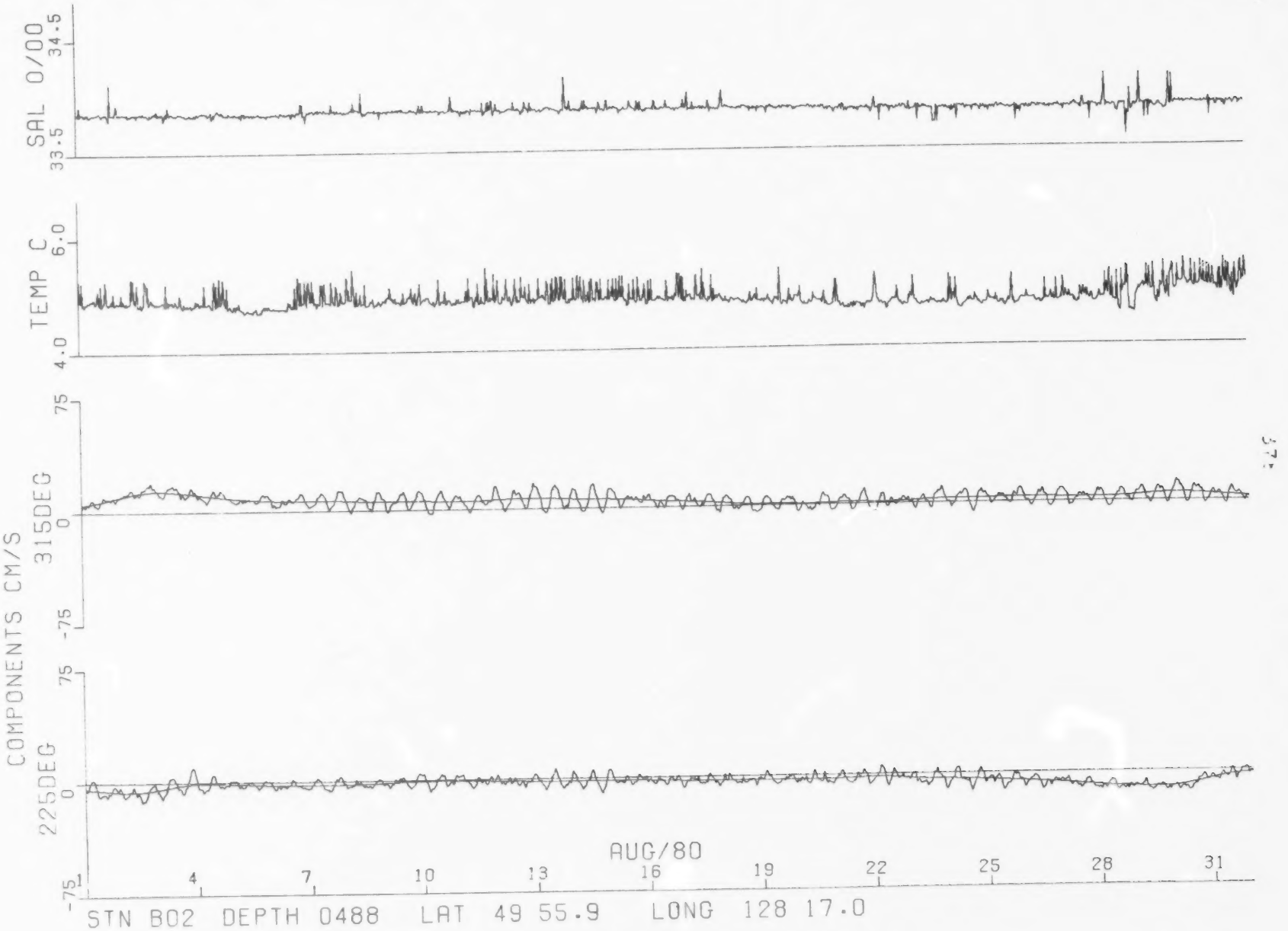



STATION B02
DEPTH 30 METRES
START OF RECORD 11/ 5/1980
DURATION 120 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN B02 DEPTH 0488 LAT 49 55.9 LONG 128 17.0


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
1
JUN/80
STN B02 DEPTH 0488 LAT 49 55.9 LONG 128 17.0


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
1
4
7
10
13
16
19
22
25
28
31
JUL/80
STN B02 DEPTH 0488 LAT 49 55.9 LONG 128 17.0


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN B02 DEPTH 0488 LAT 49 55.9 LONG 128 17.0

SAL 0/00
33.5
34.5
TEMP C
4.0
6.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
SEP/80
1
4
7
10
13
16
19
22
25
28
STN B02 DEPTH 0488 LAT 49 55.9 LONG 128 17.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn 802 Depth 0488 BROOKS PENINSULA 49 55.9 N 128 17.0 W Length of record=120 Days
Start of record 30 mn 21 hr 11 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
	CMS/SEC																									
0- 9	104	134	041	006																						285
10- 19	072	124	052																							248
20- 29	074	083	044																							201
30- 39	057	081	023																							161
40- 49	064	079	025																							168
50- 59	062	049	027																							138
60- 69	052	054	011	002																						119
70- 79	057	042	003																							102
80- 89	064	023	004																							91
90- 99	055	027	004																							86
100-109	052	053	003																							108
110-119	053	056	004																							113
120-129	049	053	003																							105
130-139	040	036	003																							79
140-149	051	031	006																							88
150-159	047	037																								84
160-169	033	041	002																							76
170-179	039	041	003																							83
180-189	032	035	002																							69
190-199	031	020	003																							54
200-209	030	015	002																							47
210-219	027	018	001																							46
220-229	030	013																								43
230-239	029	013																								42
240-249	032	009																								41
250-259	041	020																								61
260-269	043	023	006	002																						74
270-279	042	039	011	007																						99
280-289	053	073	011	006																						143
290-299	088	101	047	005																						241
300-309	096	143	055	011																						305
310-319	088	195	078	020																						381
320-329	089	216	141	025	001																					472
330-339	099	266	128	016	002																					511
340-349	093	246	094	010																						443
350-359	115	175	073	012																						375
	2083	2664	910	122	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5782

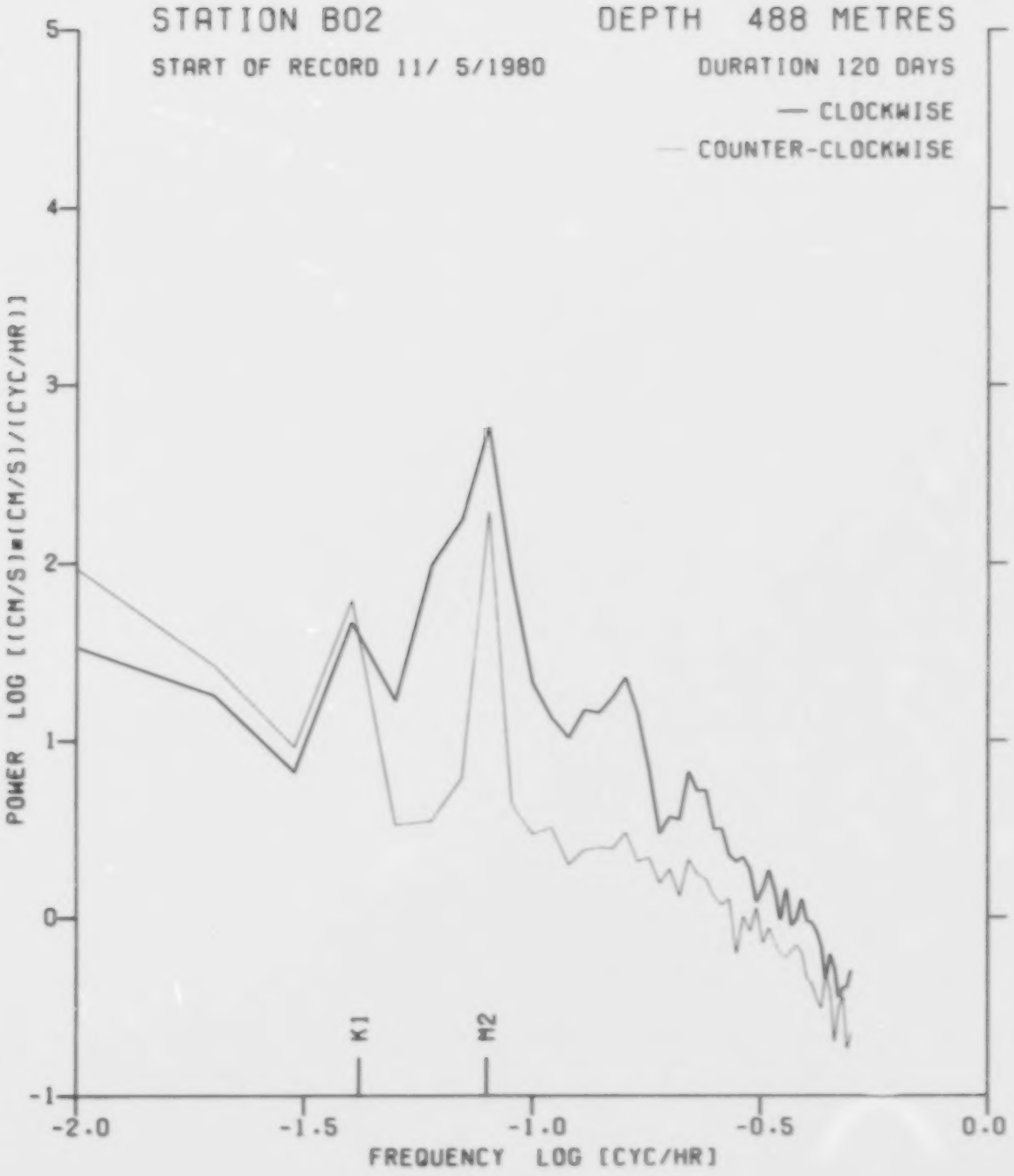
Number of zero rates: 0

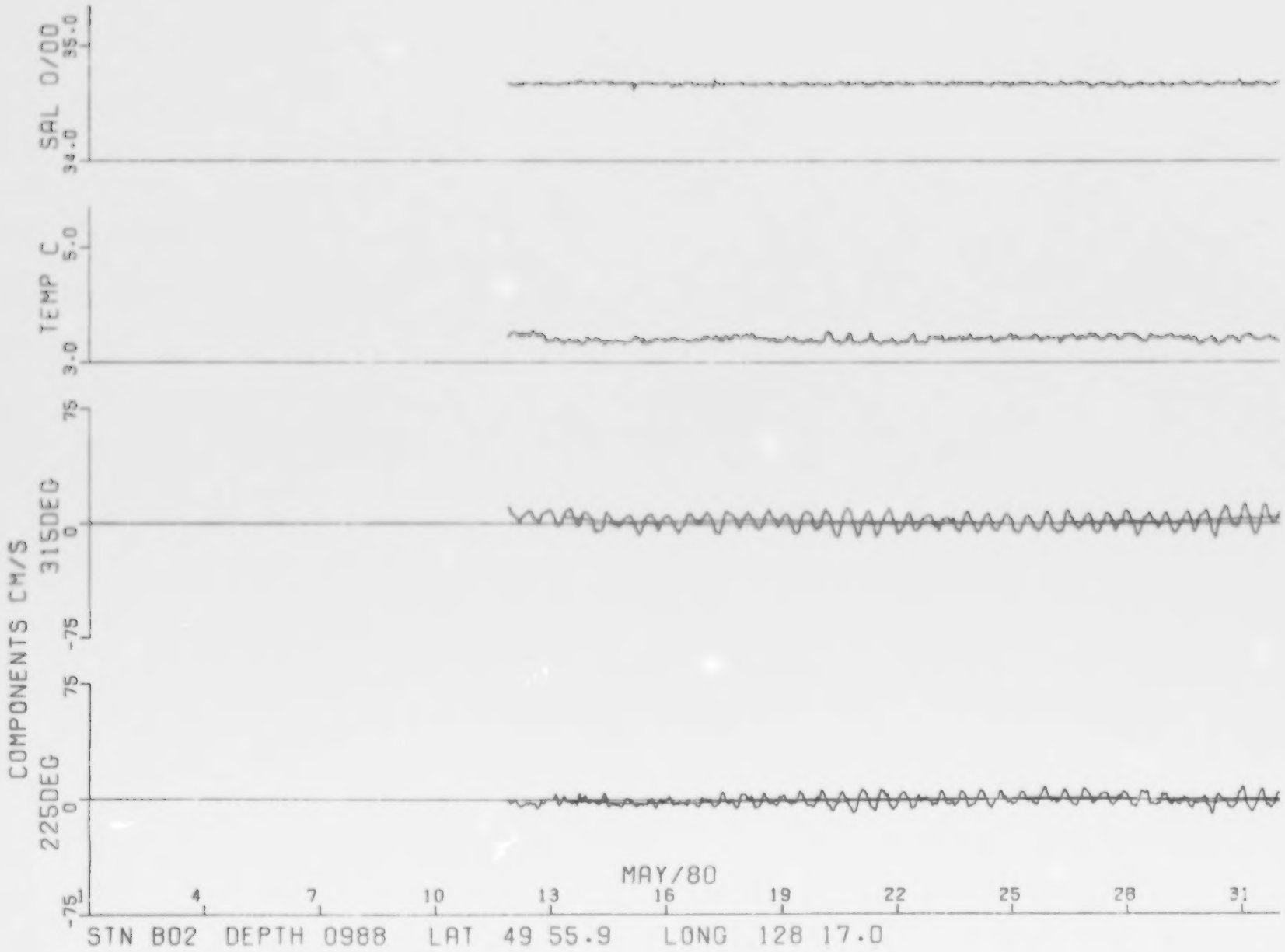
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

□ODD NUMBERED DAYS
⊙EVEN NUMBERED DAYS

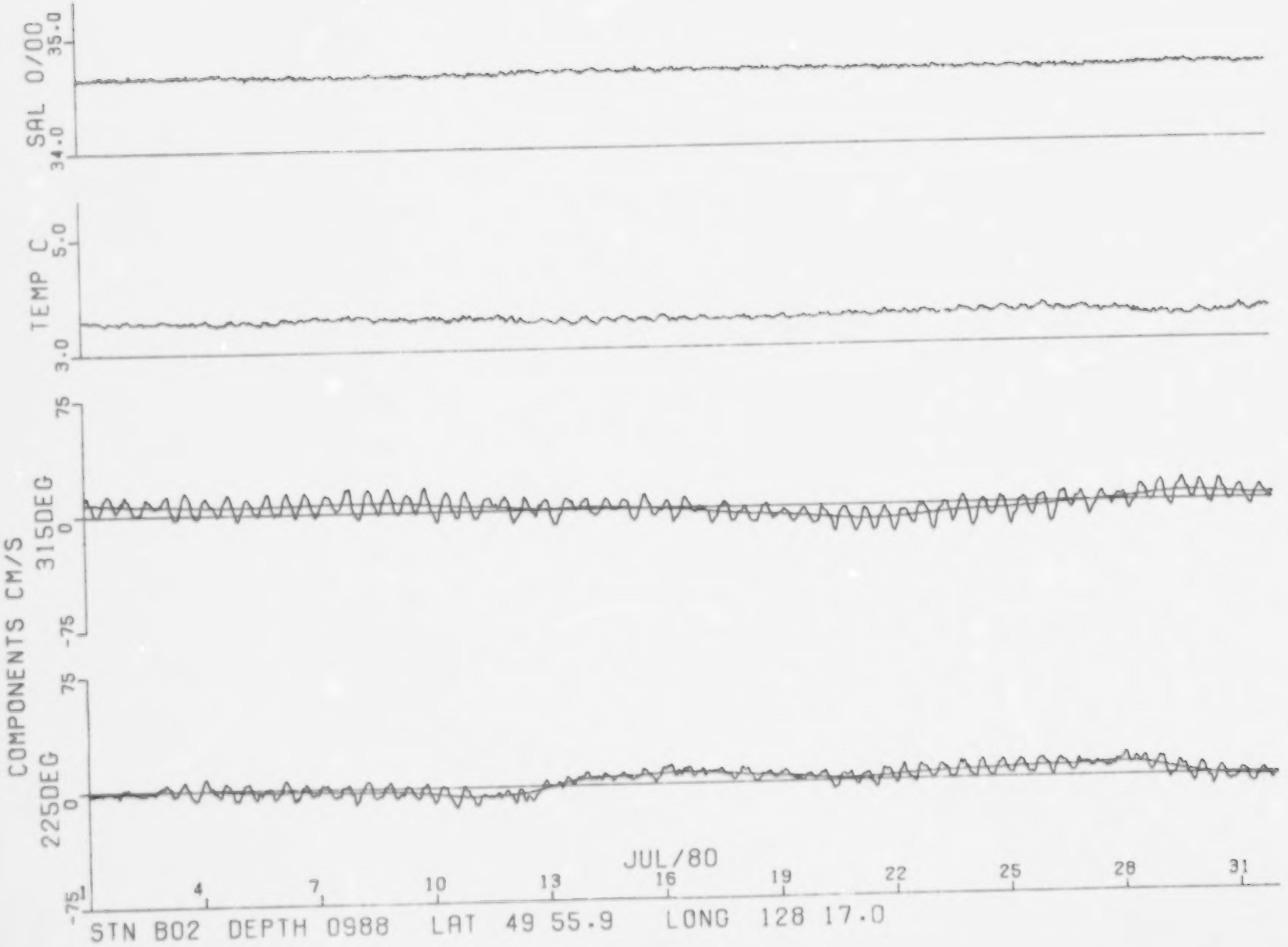
STN	DEPTH	AREA	DAY/YR	NO DAYS
B02	0488M	8700	132/80	120

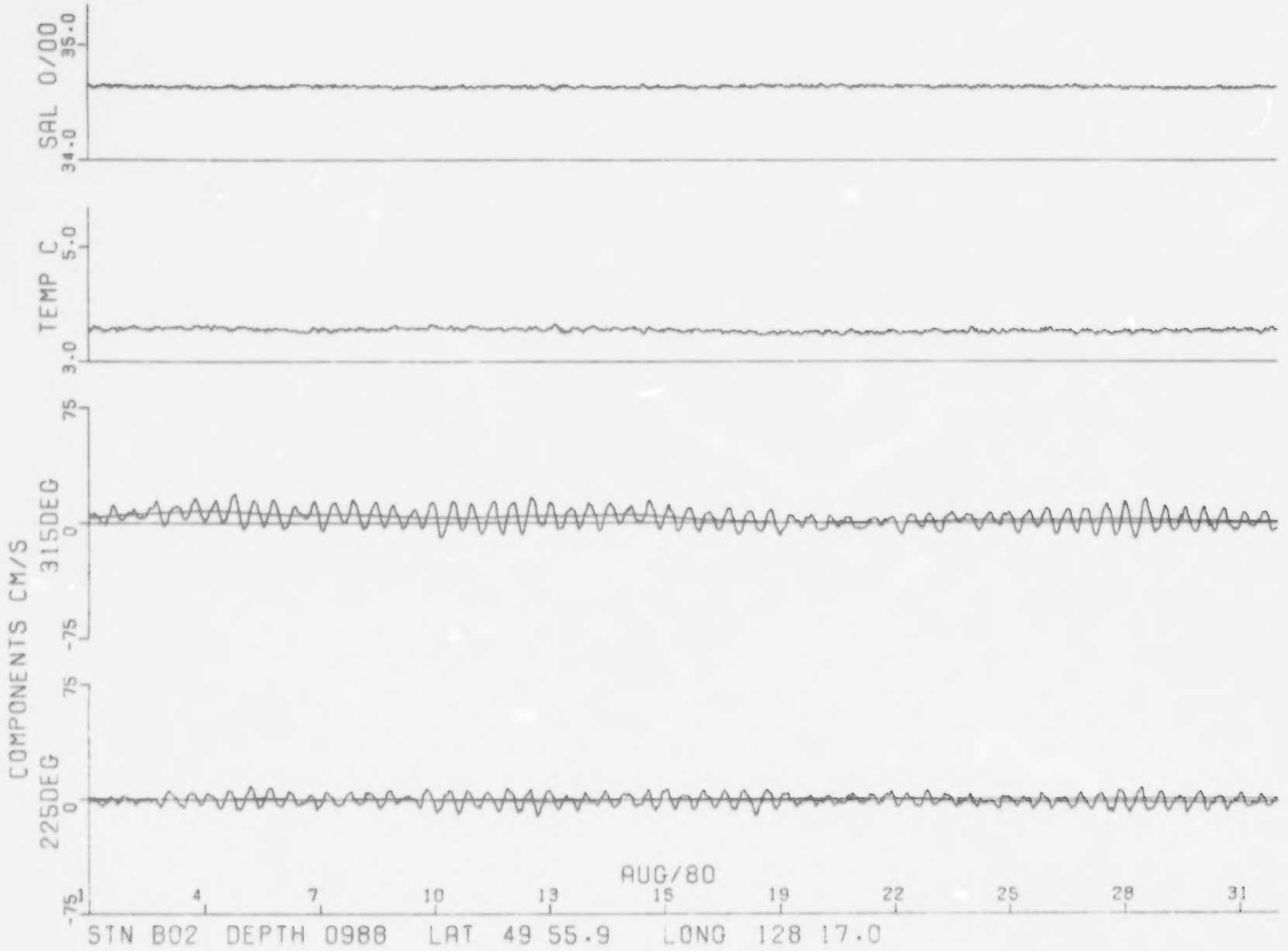
SCALE 100 KM

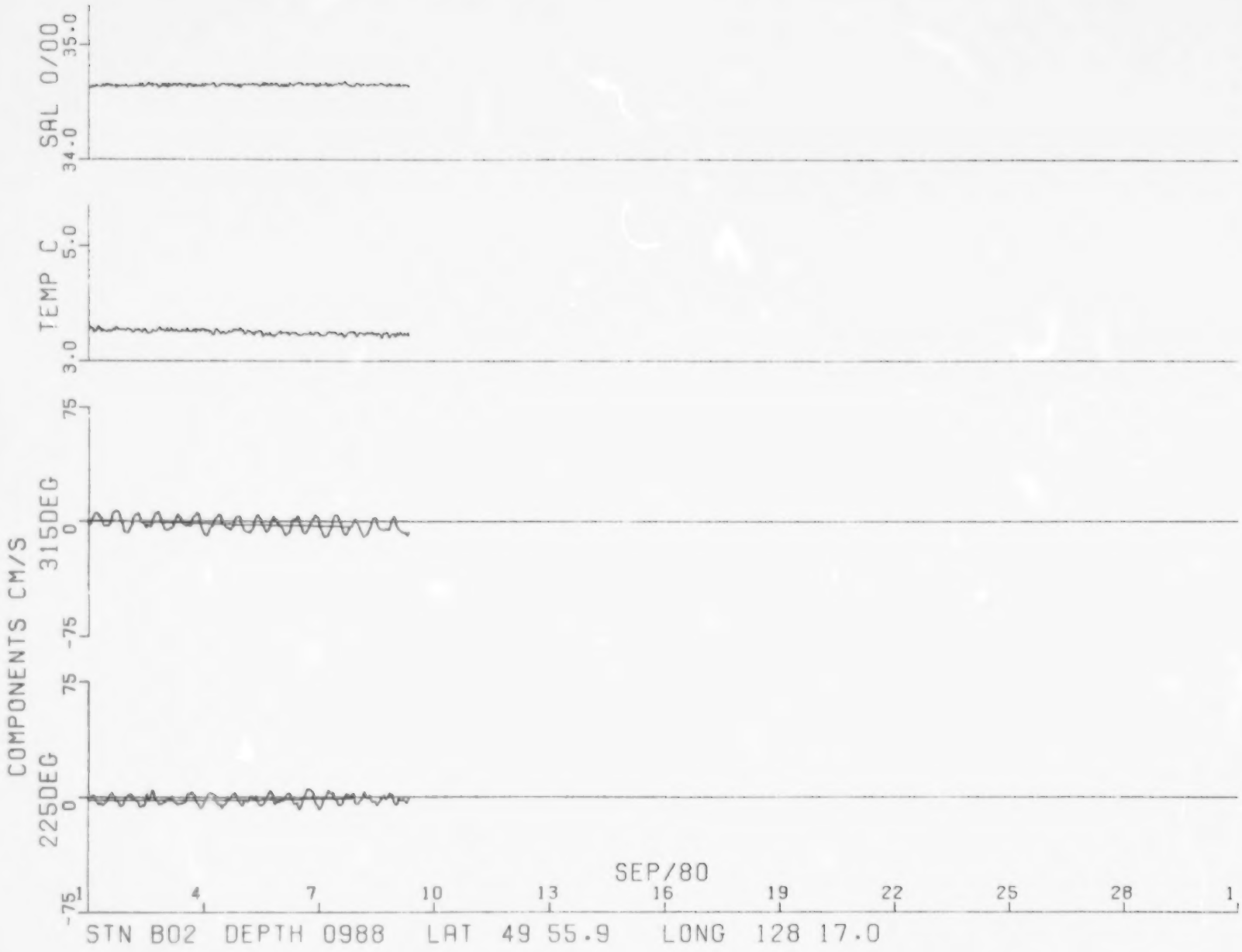

STATION B02
DEPTH 488 METRES
START OF RECORD 11/ 5/1980
DURATION 120 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.0
35.0
TEMP C
3.0
5.0
COMPONENTS CM/S
315DEG
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN B02 DEPTH 0988 LAT 49 55.9 LONG 128 17.0

STN B02 DEPTH 0988 LAT 49 55.9 LONG 128 17.0
JUN/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
.75
0
-.75
TEMP C
3.0
5.0
SAL 0/00
34.0
35.0


SAL O/OO
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
4
7
10
13
16
19
22
25
28
31
STN B02 DEPTH 0988 LAT 49 55.9 LONG 128 17.0


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
15
19
22
25
28
31
STN B02 DEPTH 0988 LAT 49 55.9 LONG 128 17.0


SAL 0/00
35.0
34.0
TEMP C
5.0
3.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
1
4
7
10
13
16
19
22
25
28
1
STN B02 DEPTH 0988 LAT 49 55.9 LONG 128 17.0

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B02 Depth 0988 BROOKS PENINSULA 49 55.9 N 128 17.0 W Length of record=120 Days
Start of record 30 mn 21 hr 11 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	052	076	014																							142
10- 19	067	057	006																							130
20- 29	055	042	004																							101
30- 39	049	045	003																							97
40- 49	054	038	004																							96
50- 59	062	042	003																							107
60- 69	045	041	002																							88
70- 79	050	037	004																							91
80- 89	037	041	001																							79
90- 99	048	041																								89
100-109	043	055	001																							99
110-119	047	078	006	002																						133
120-129	051	069	007	005																						132
130-139	041	074	007	006																						128
140-149	038	056	018	011																						123
150-159	027	044	021	007																						99
160-169	035	039	015	007																						96
170-179	048	044	019	006																						117
180-189	041	034	018	001																						94
190-199	035	048	014																							97
200-209	037	035	010																							82
210-219	031	044	014																							89
220-229	024	048	006																							78
230-239	042	041	010																							93
240-249	037	058	015																							110
250-259	034	064	012																							110
260-269	043	064	003	003																						113
270-279	049	070	010	002																						131
280-289	060	115	028																							203
290-299	063	166	050	003																						282
300-309	072	215	125	010																						422
310-319	067	267	223	020																						577
320-329	091	270	214	022																						597
330-339	080	171	106	010																						367
340-349	060	107	053	002																						222
350-359	057	083	028																							168
	2819		117		0		0		0		0		0		0		0		0		0		0		0	5782
	1772	1074		0		0		0		0		0		0		0		0		0		0		0		

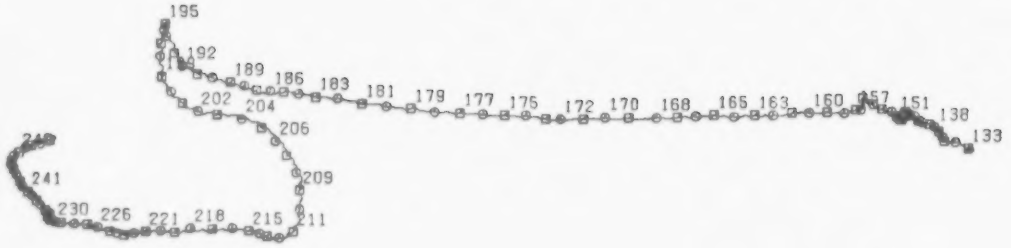
Number of zero rates: 0

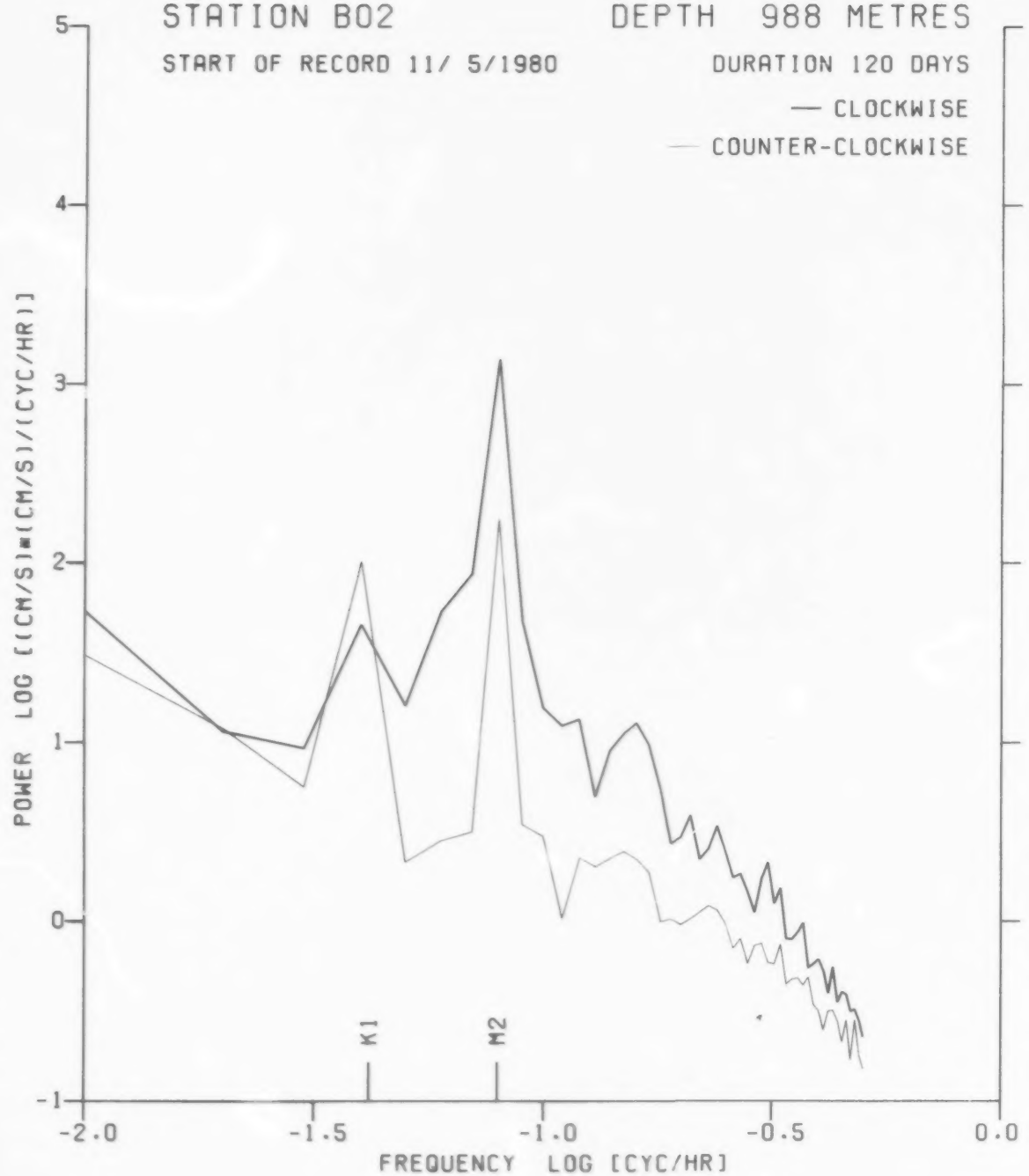
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

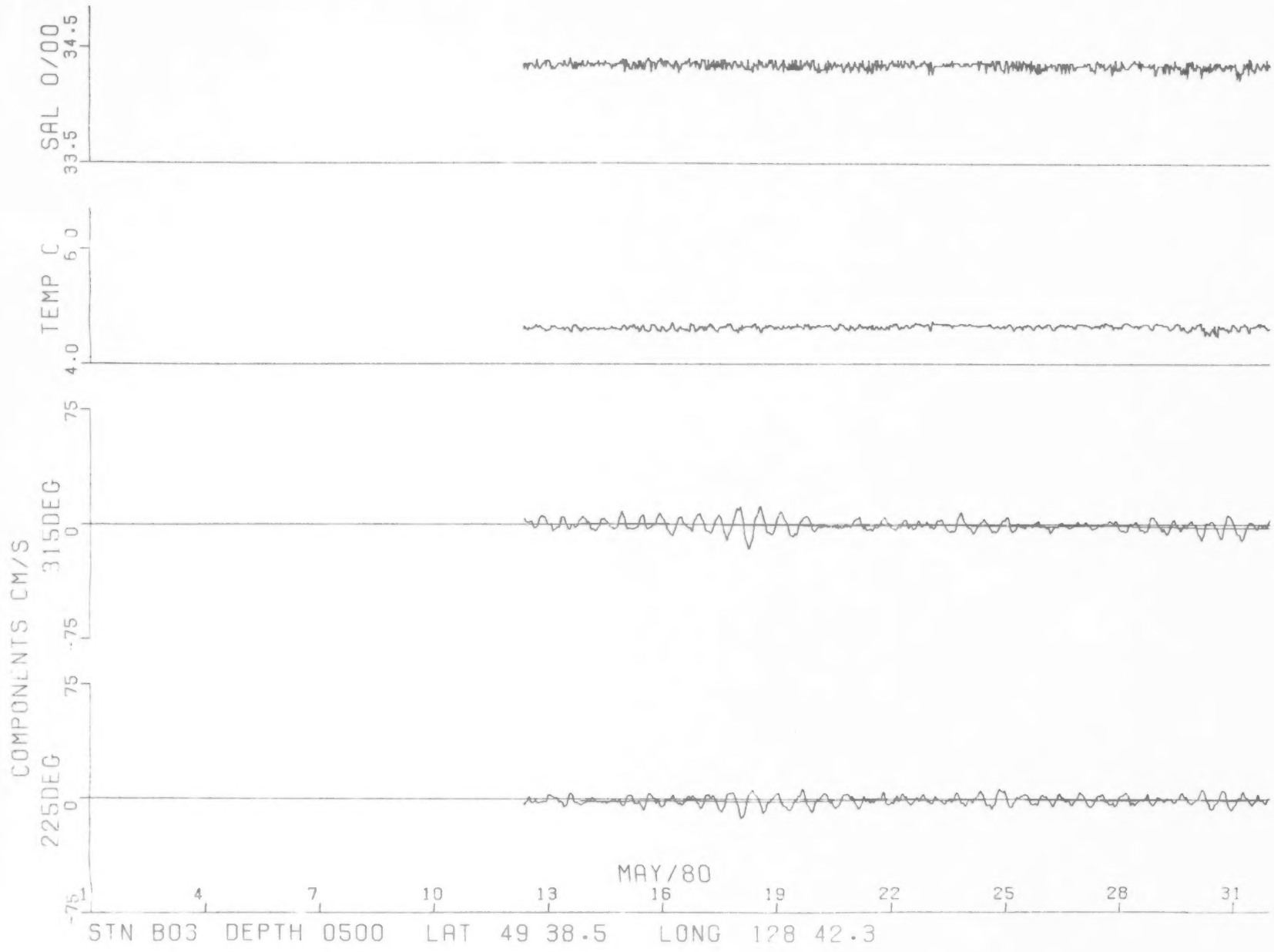
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

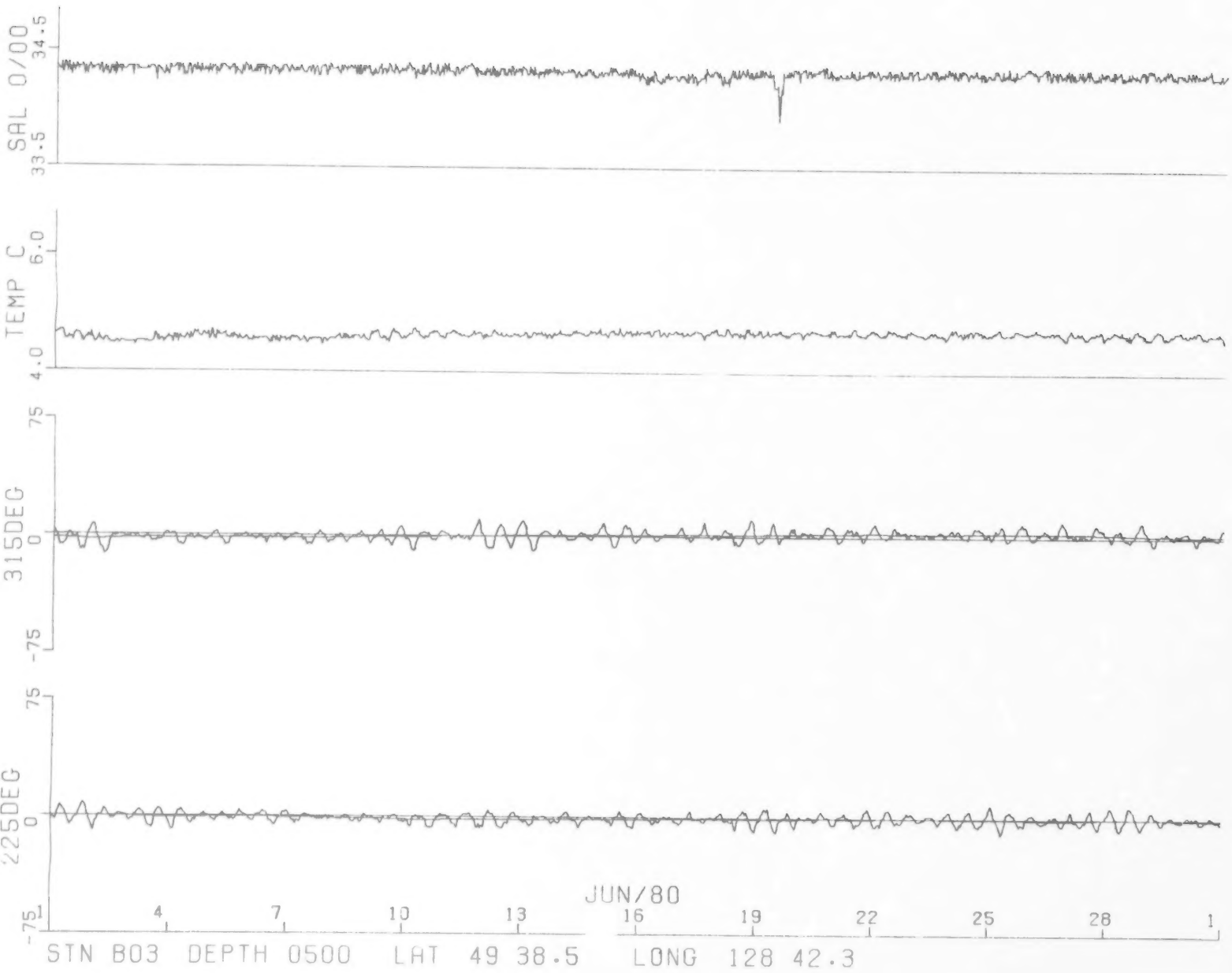
STN	DEPTH	AREA	DAY/YR	NO DAYS
B02	0988M	8700	132/80	120

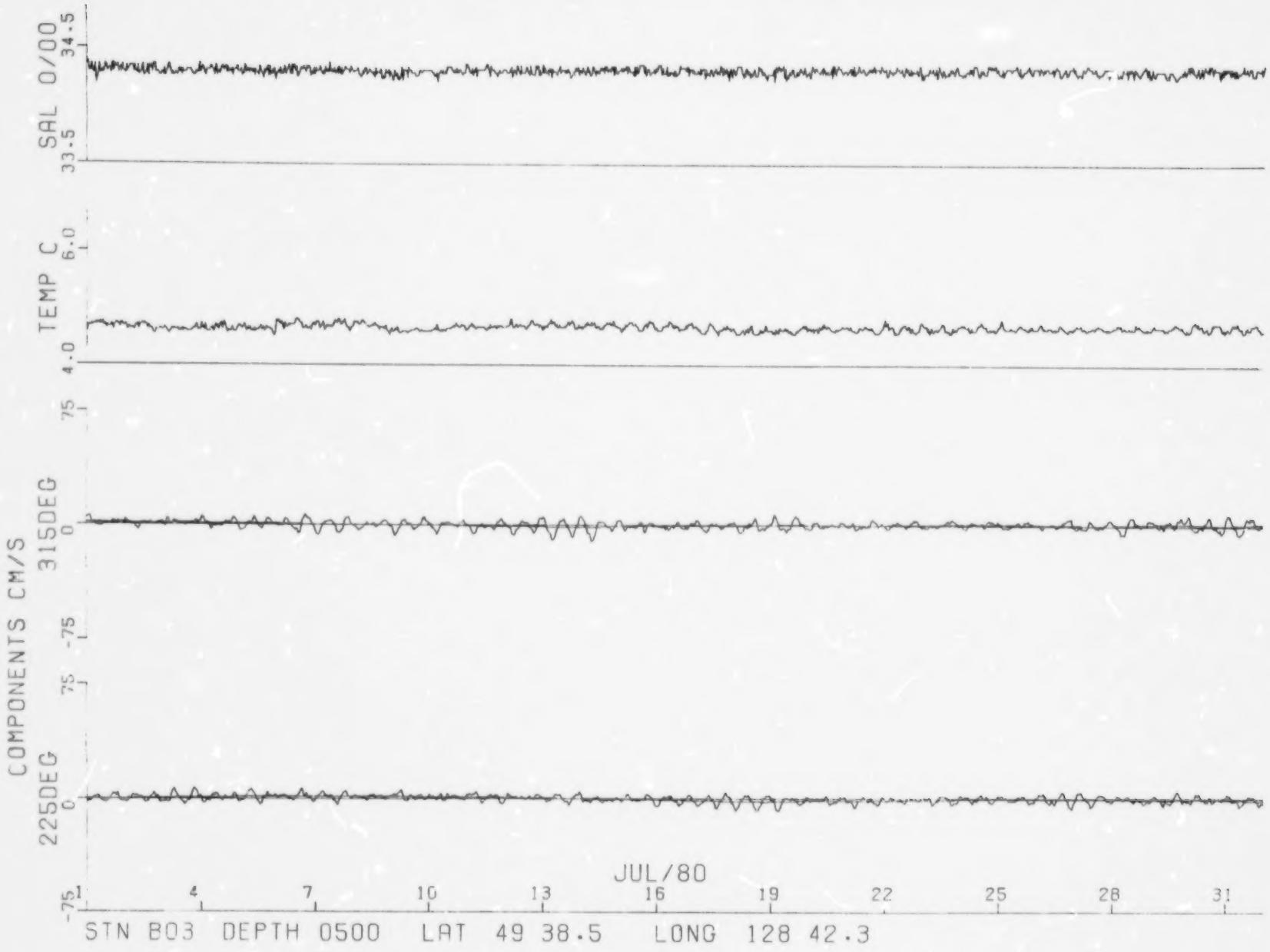
SCALE 100 KM

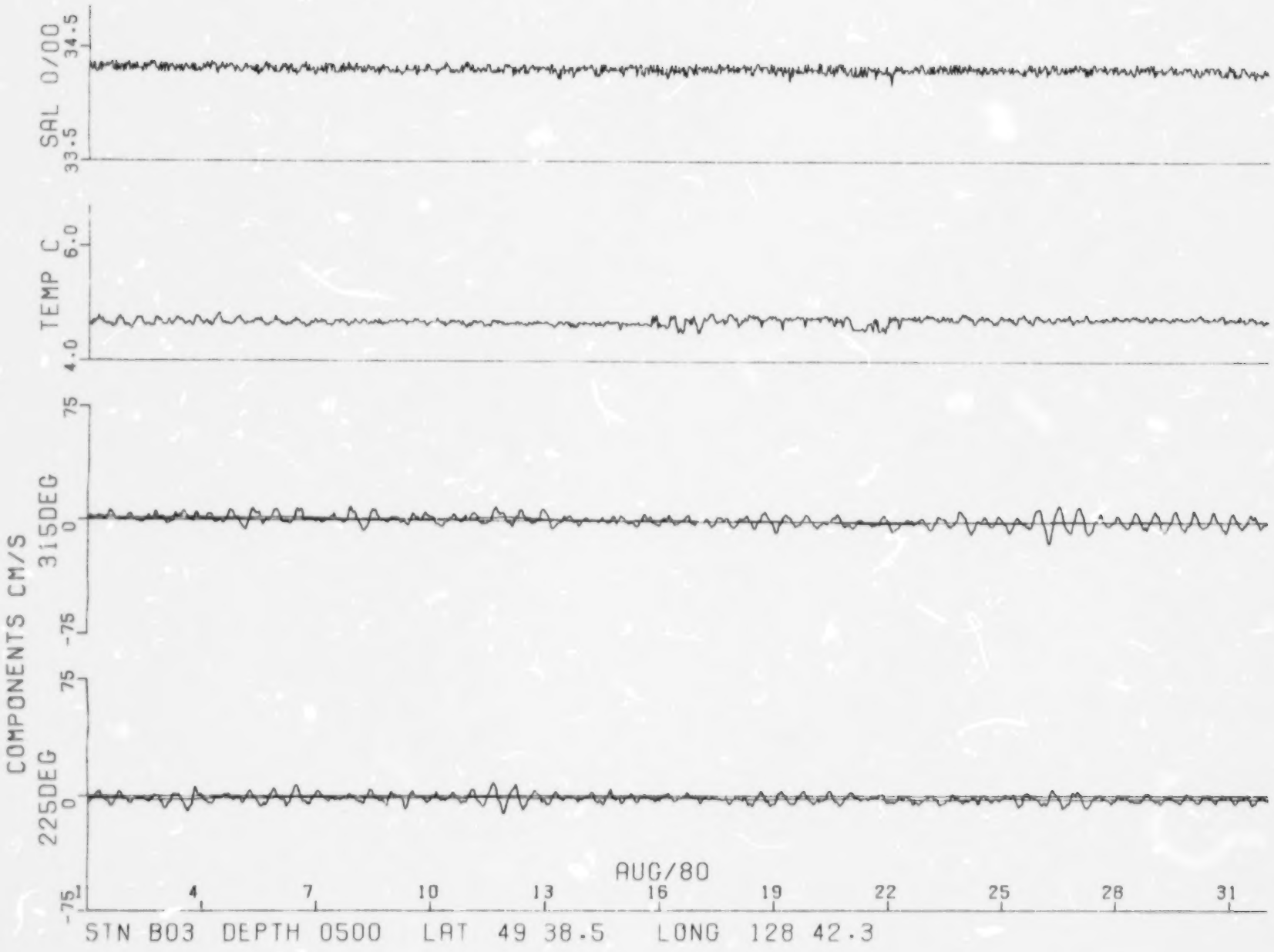



STATION B02
DEPTH 988 METRES
START OF RECORD 11/ 5/1980
DURATION 120 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]


SAL O/OO
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
1
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0500 LAT 49 38.5 LONG 128 42.3


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
315DEG
75
0
-75
225DEG
75
0
-75
JUN/80
1
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 0500 LAT 49 38.5 LONG 128 42.3


SAL O/OO
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0500 LAT 49 38.5 LONG 128 42.3


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
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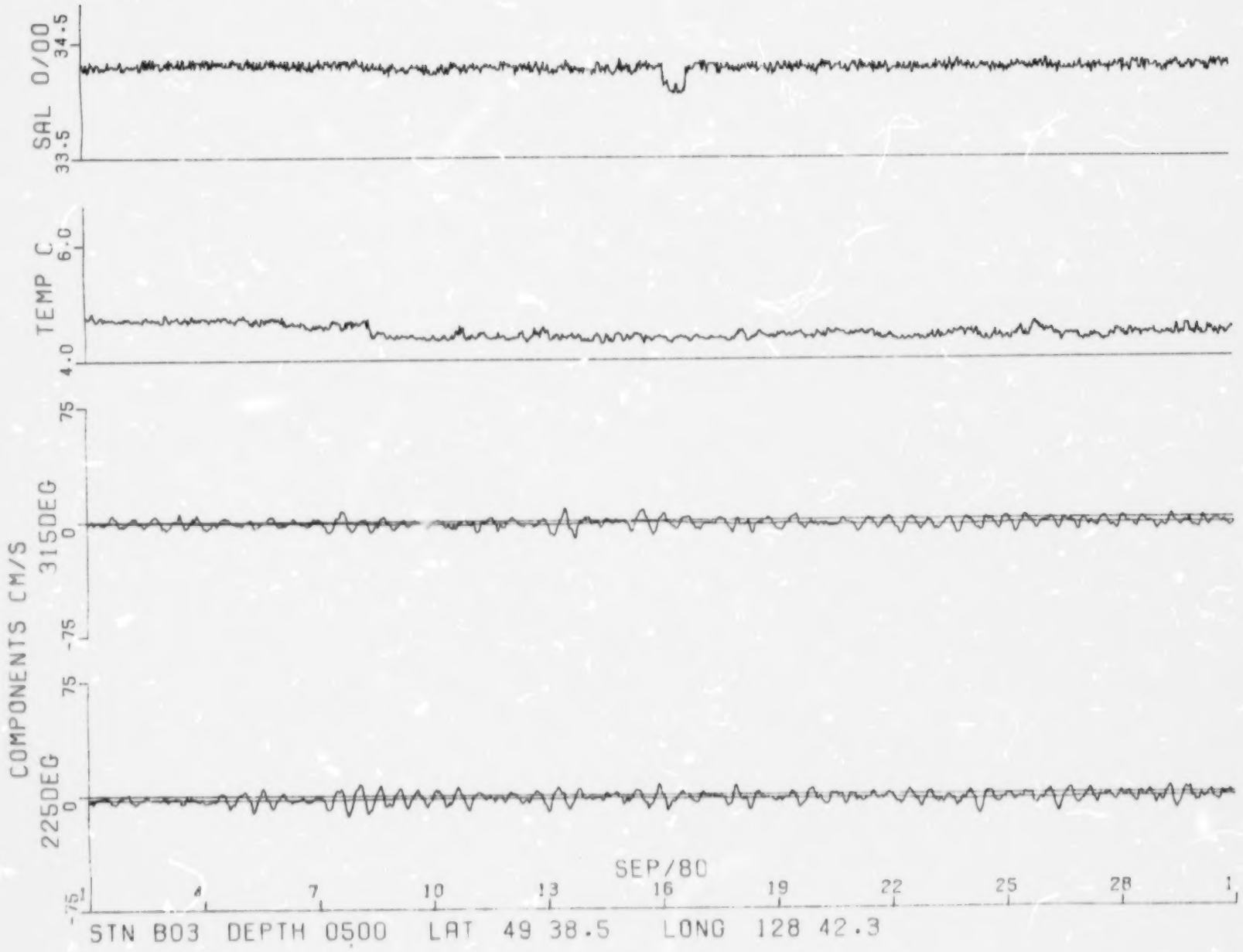
31
STN B03 DEPTH 0500 LAT 49 38.5 LONG 128 42.3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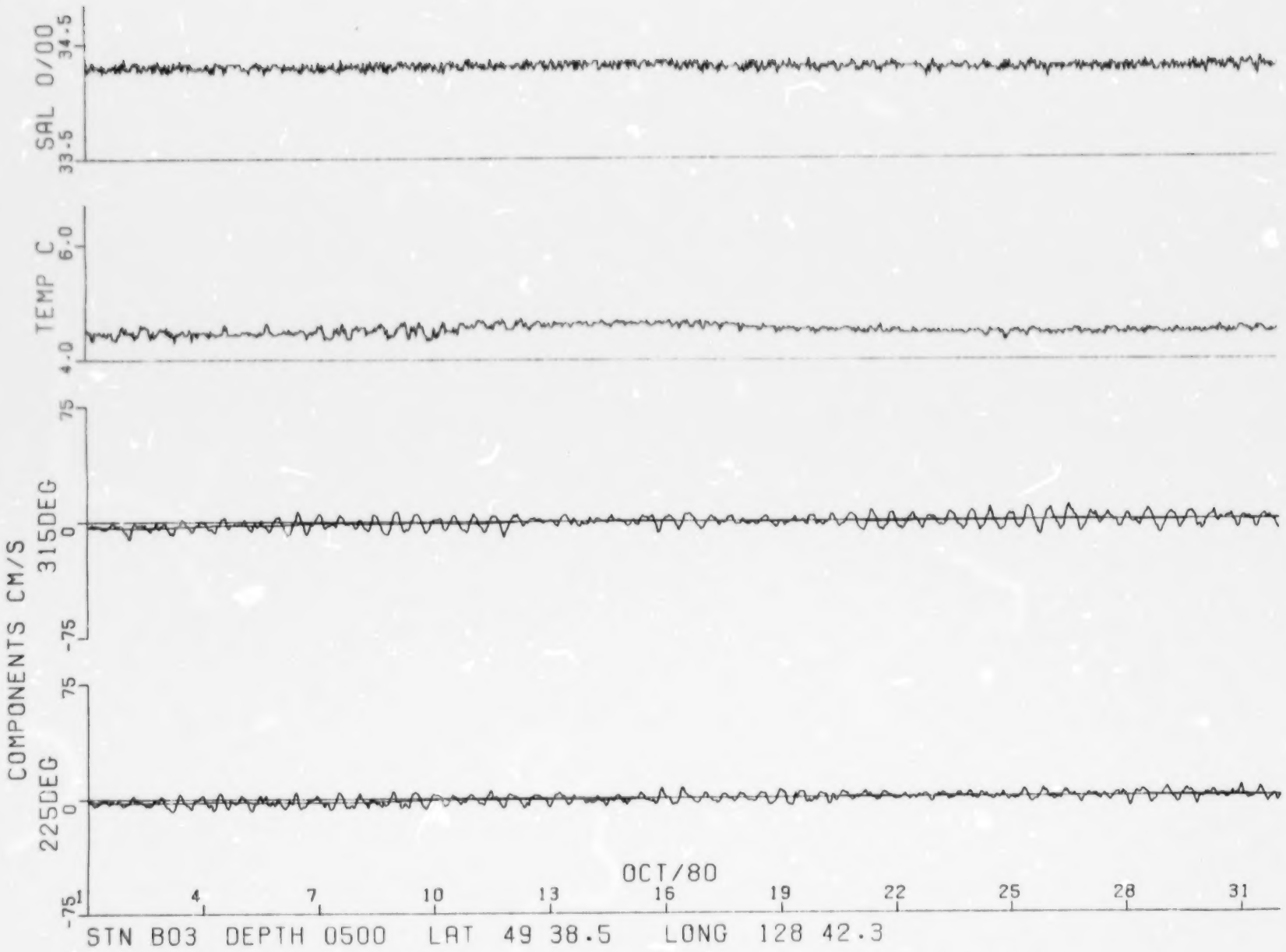
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
SEP/80
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 0500 LAT 49 38.5 LONG 128 42.3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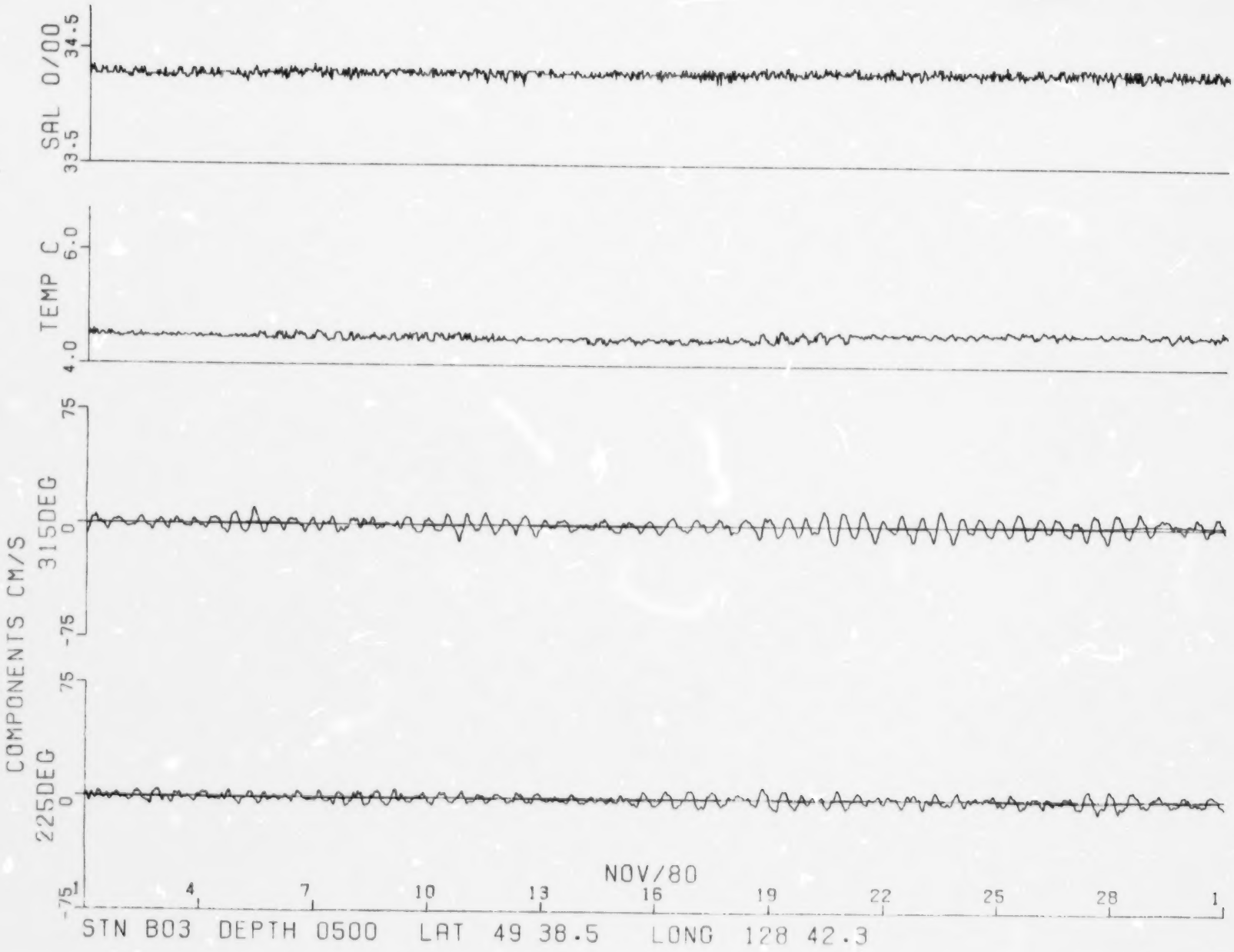
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/80
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0500 LAT 49 38.5 LONG 128 42.3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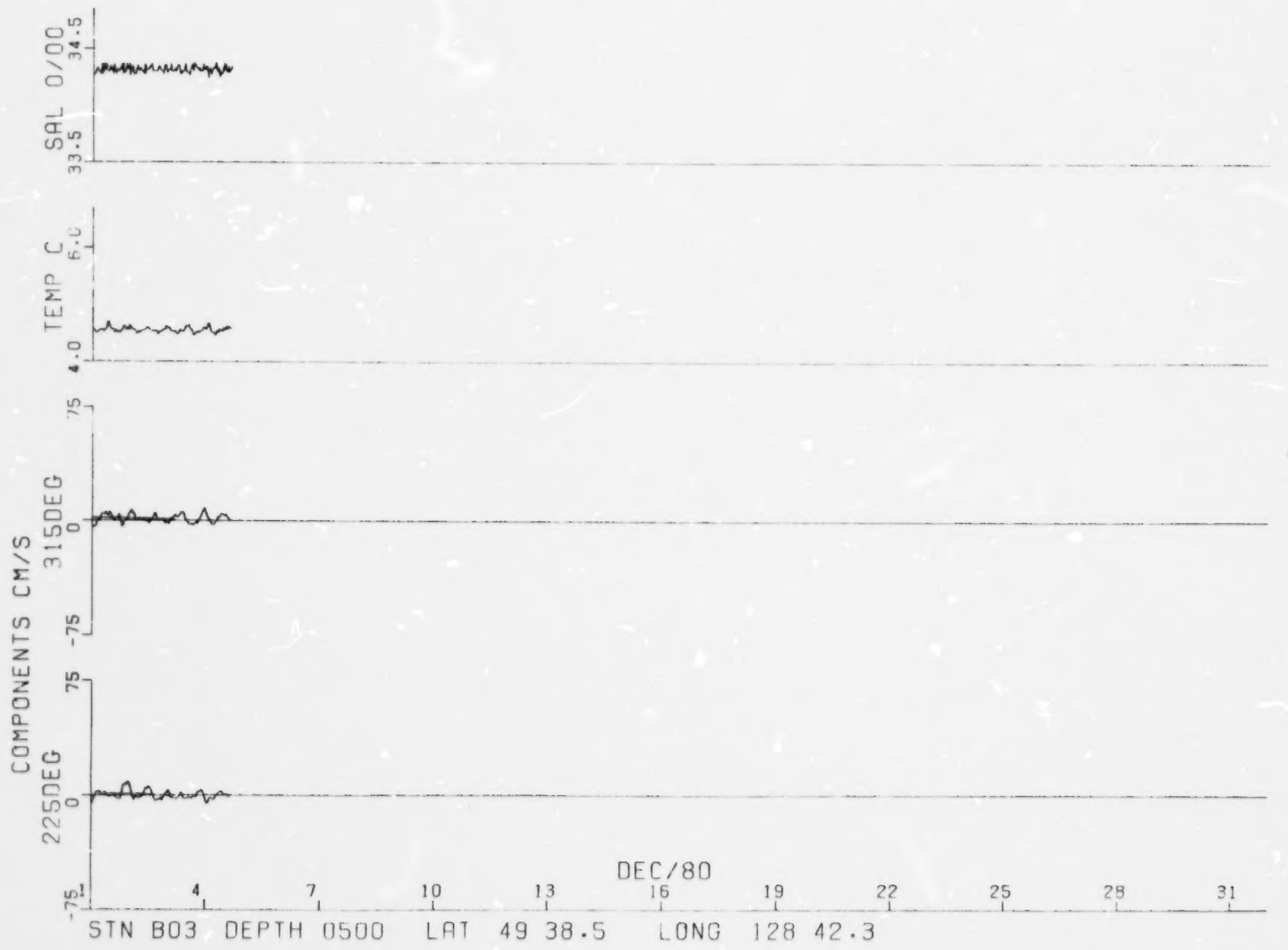
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/80
1
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 0500 LAT 49 38.5 LONG 128 42.3


SAL 0/00
34.5
33.5
TEMP C
6.0
4.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
DEC/80
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 0500 LAT 49 38.5 LONG 128 42.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

Stn B03 Depth 0500 BROOKS PENINSULA 49 38.5 N 128 42.3 W Length of record=206 Days
Start of record 30 mn 9 hr 12 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	249	106	003	001																						359
10- 19	233	076	006																							315
20- 29	233	094	004																							331
30- 39	246	081	001																							328
40- 49	261	070	006																							337
50- 59	214	079	005																							298
60- 69	252	093	008																							353
70- 79	277	096	015																							388
80- 89	262	151	015																							428
90- 99	245	152	015																							412
100-109	233	125	017																							375
110-119	238	108	010																							356
120-129	218	092	005																							315
130-139	212	110	014	001																						337
140-149	197	098	010	003																						308
150-159	190	074	007																							271
160-169	184	060	008																							252
170-179	183	042	001																							226
180-189	160	031	001																							192
190-199	173	016																								189
200-209	145	024																								169
210-219	131	018																								149
220-229	121	025																								146
230-239	130	029																								159
240-249	101	025																								126
250-259	118	028																								146
260-269	122	024	002																							148
270-279	134	053																								187
280-289	152	043	001																							196
290-299	156	056																								212
300-309	175	075	004																							254
310-319	171	090	008																							269
320-329	192	098	010																							300
330-339	223	118	004																							345
340-349	226	126	006																							358
350-359	258	104	004	001																						367
	2690		6		0		0		0		0		0		0		0		0		0		0		0	9901
	7015		190		0		0		0		0		0		0		0		0		0		0		0	

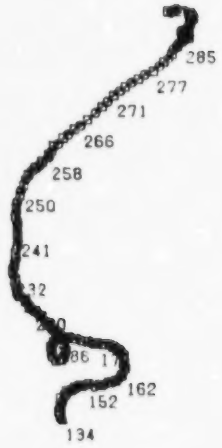
Number of zero rates: 0

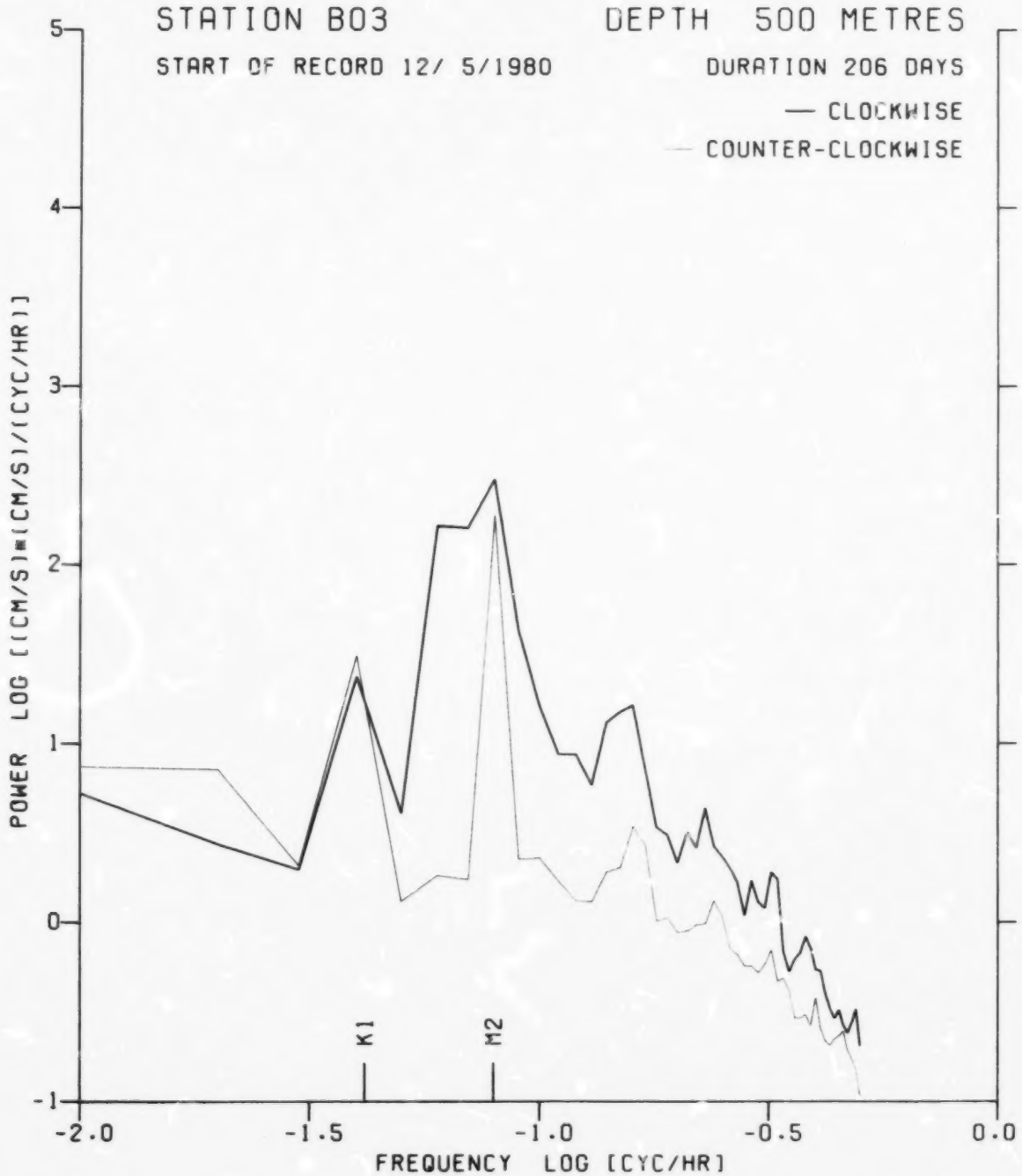
BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM

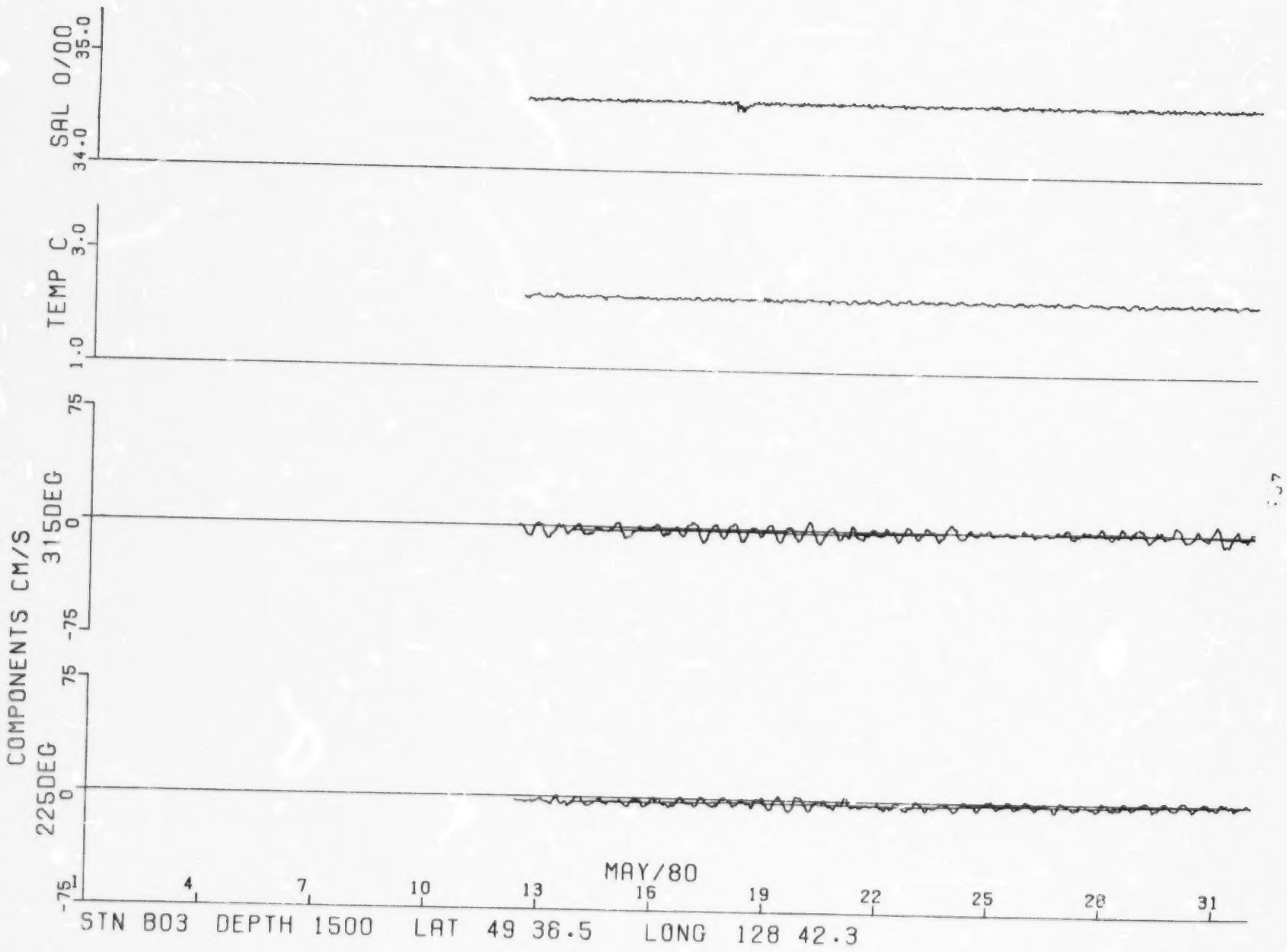
ODD NUMBERED DAYS
EVEN NUMBERED DAYS

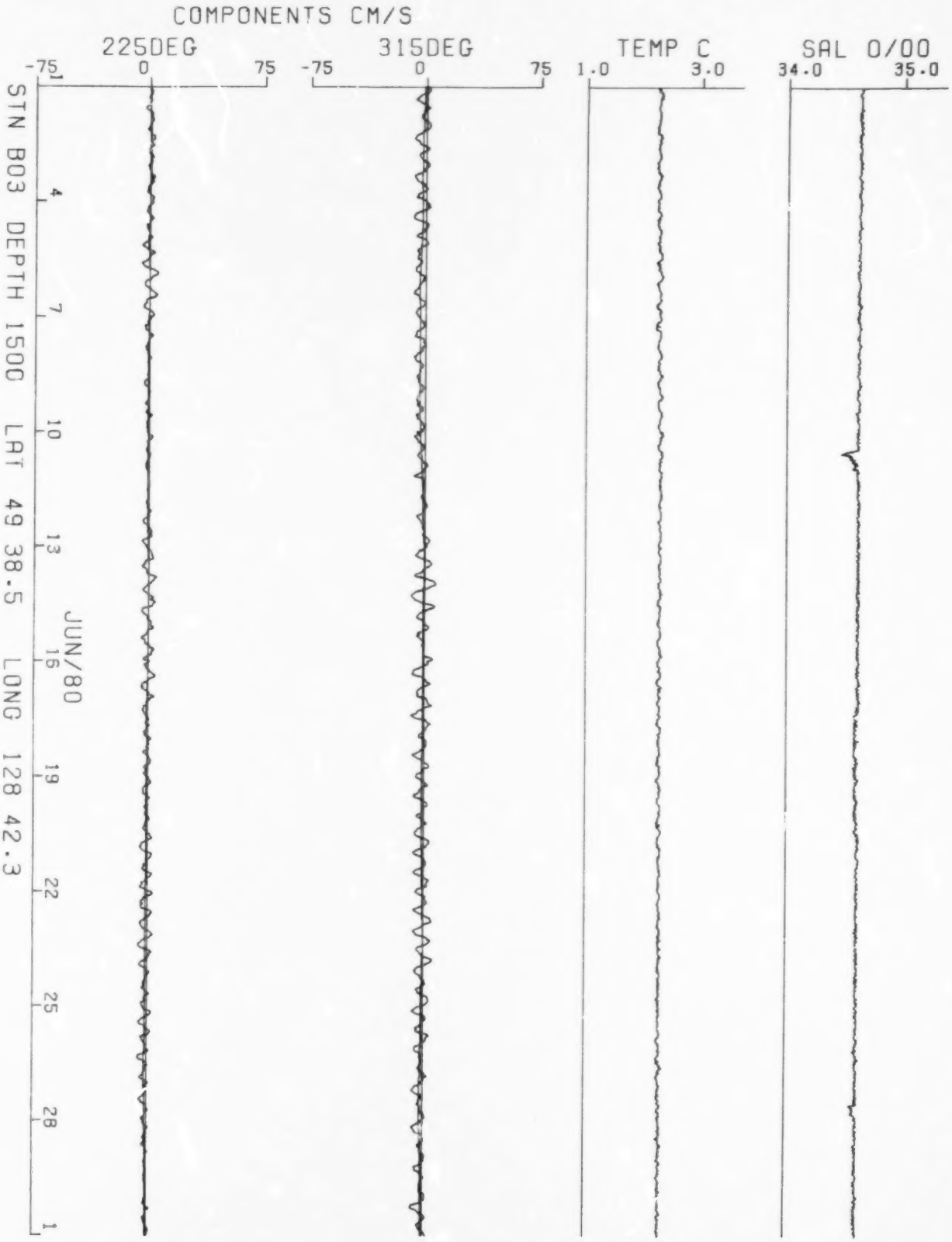
STN	DEPTH	AREA	DAY/YR	NO DAYS
803	0500M	8700	133/80	206

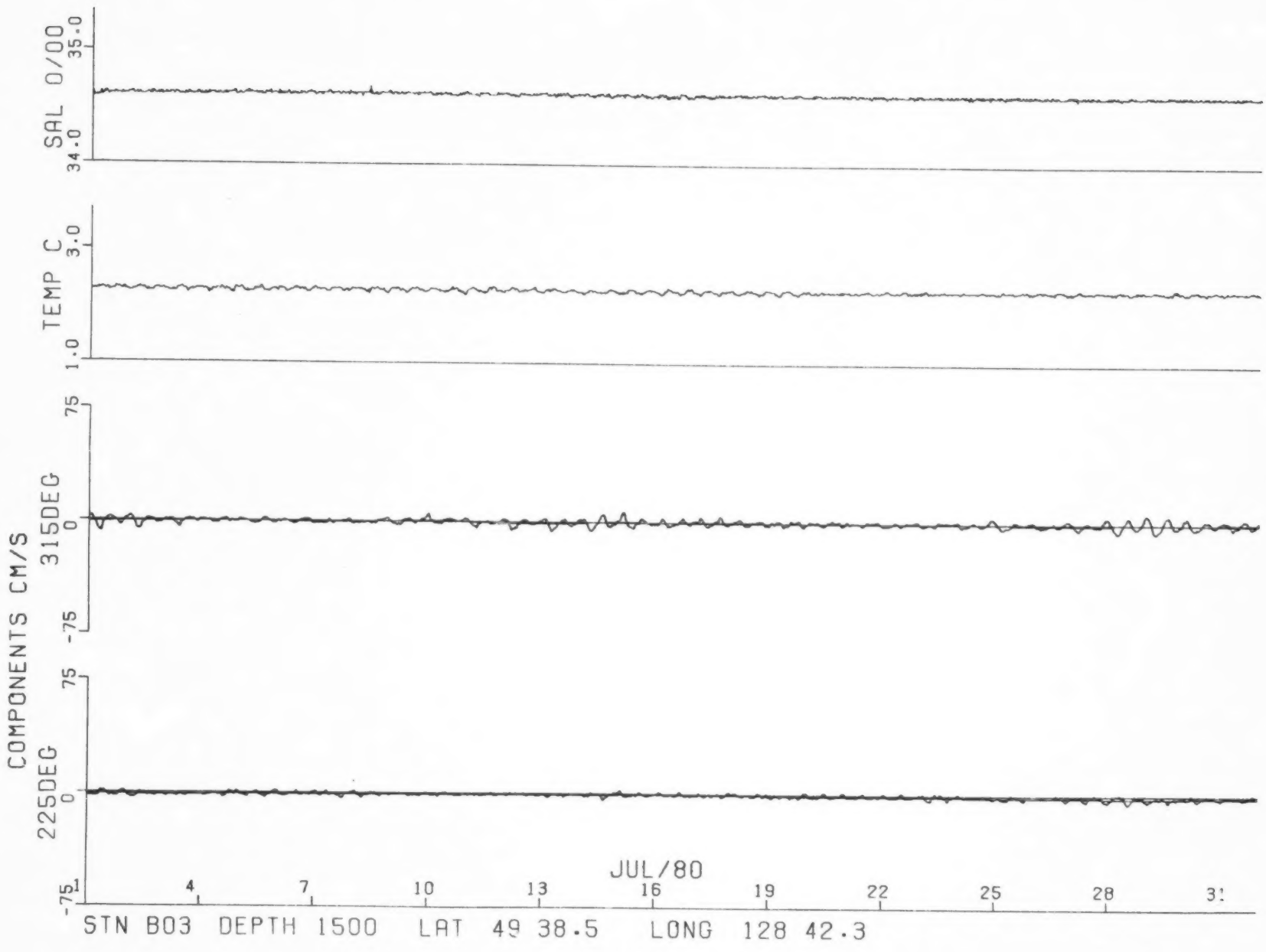
SCALE 100 KM

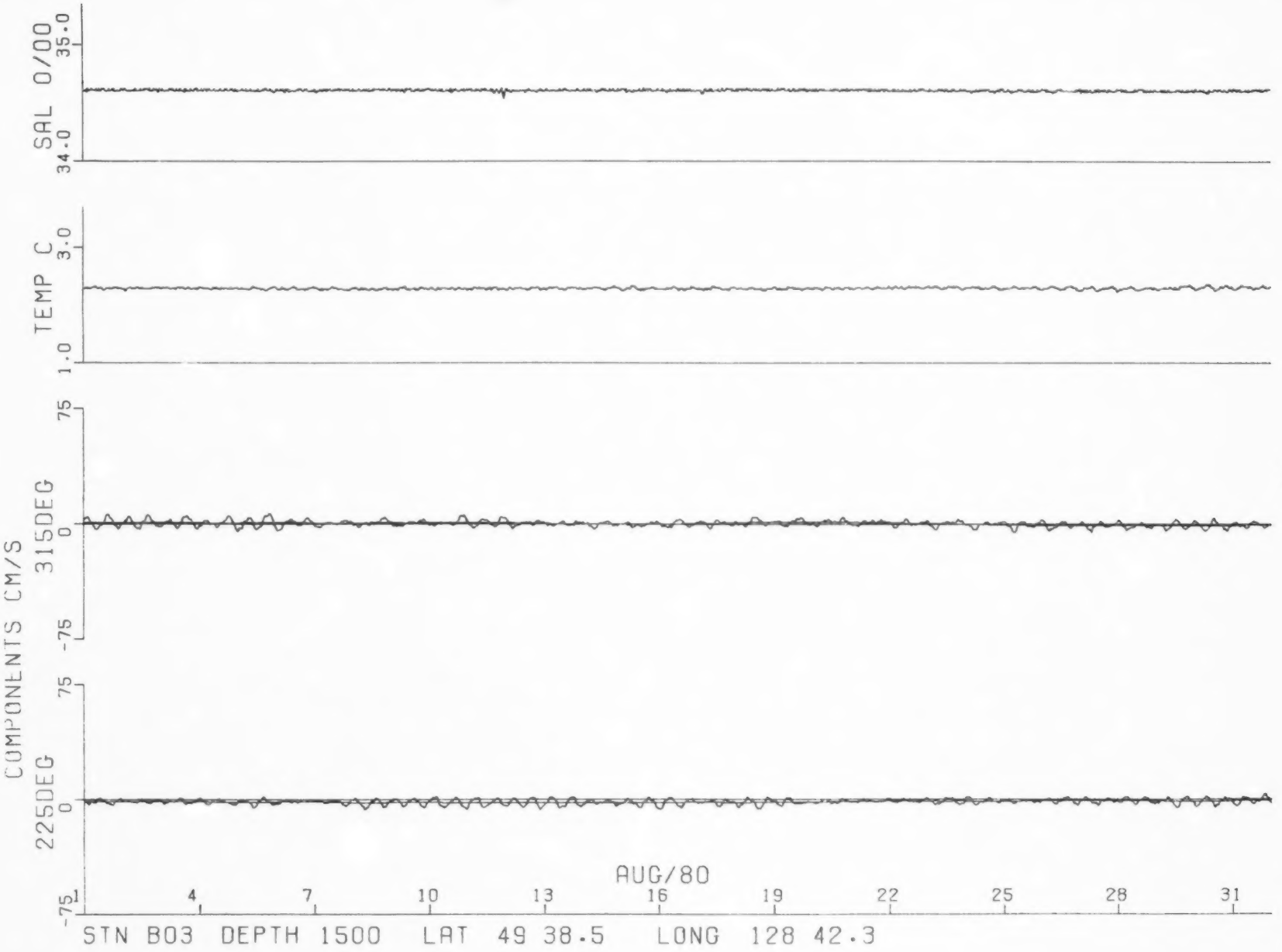



STATION B03
DEPTH 500 METRES
START OF RECORD 12/ 5/1980
DURATION 206 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

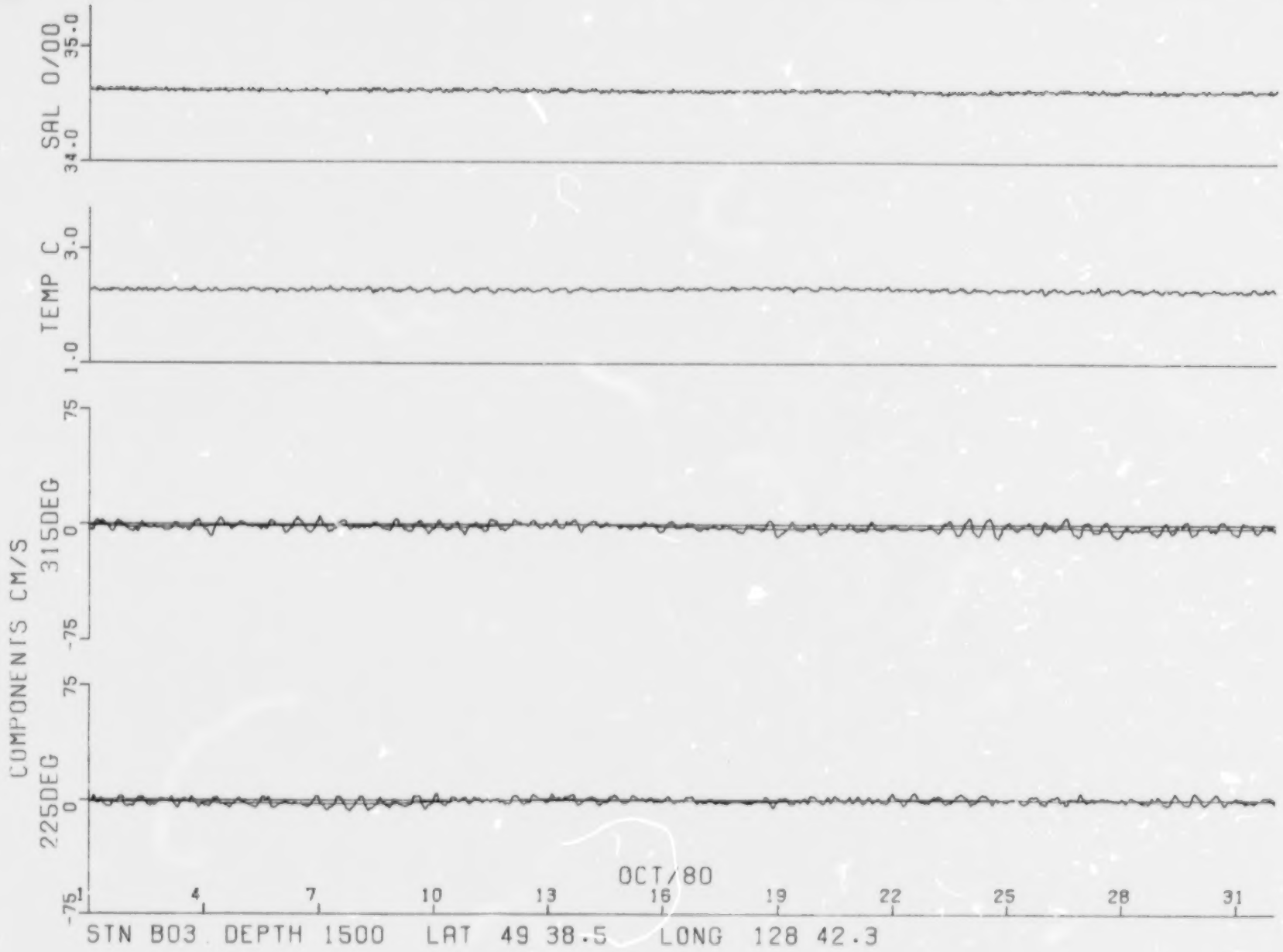

SAL O/OO
35.0
34.0
TEMP C
3.0
1.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
MAY/80
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 1500 LAT 49 36.5 LONG 128 42.3

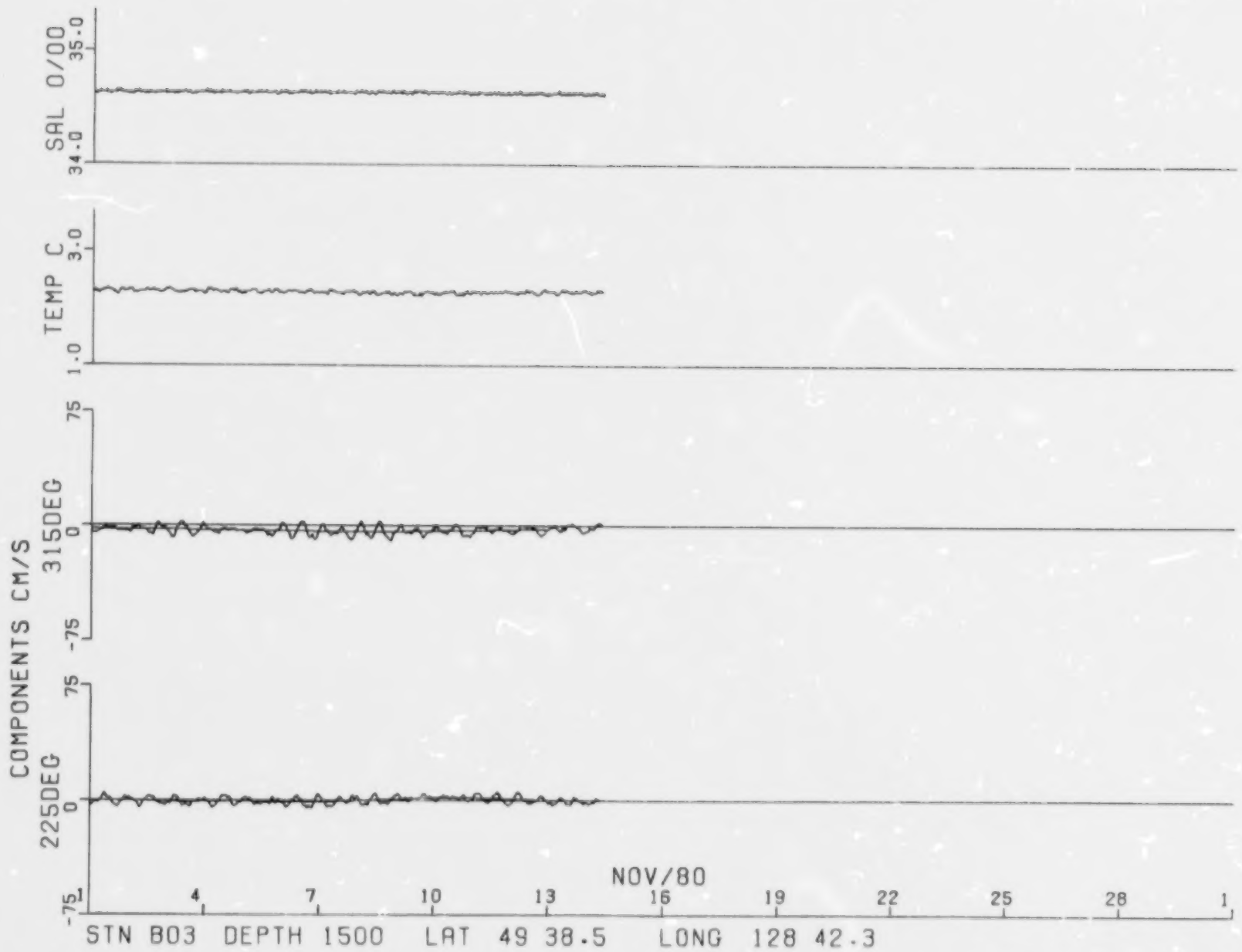

COMPONENTS CM/S
225DEG
-75
0
75
315DEG
-75
0
75
TEMP C
1.0
3.0
SAL 0/00
34.0
35.0
STN B03 DEPTH 1500 LAT 49 38.5 LONG 128 42.3
JUN/80
4
7
10
13
16
19
22
25
28
1


SAL 0/00
35.0
34.0
TEMP C
3.0
1.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
JUL/80
1
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 1500 LAT 49 38.5 LONG 128 42.3


SAL O/OO
35.0
34.0
TEMP C
3.0
1.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
AUG/80
1
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 1500 LAT 49 38.5 LONG 128 42.3

STN B03 DEPTH 1500 LAT 49 38.5 LONG 128 42.3
SEP/80
1
4
7
10
13
16
19
22
25
28
COMPONENTS CM/S
225DEG
315DEG
75
0
-75
TEMP C
1.0
3.0
SAL 0/00
34.0
35.0


SAL O/OO
35.0
34.0
TEMP C
3.0
1.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
OCT/80
1
4
7
10
13
16
19
22
25
28
31
STN B03 DEPTH 1500 LAT 49 38.5 LONG 128 42.3


SAL O/OO
35.0
34.0
TEMP C
3.0
1.0
COMPONENTS CM/S
315DEG
75
0
-75
225DEG
75
0
-75
NOV/80
4
7
10
13
16
19
22
25
28
1
STN B03 DEPTH 1500 LAT 49 38.5 LONG 128 42.3

FREQUENCY DISTRIBUTION of DIRECTION and RATE

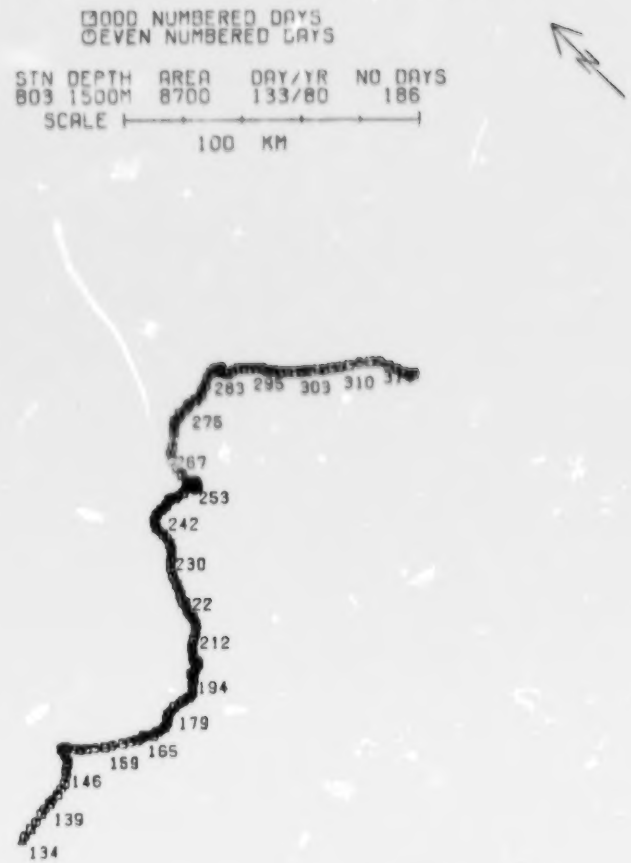
Stn 803 Depth 1500 BROOKS PENINSULA 49 38.5 N 128 42.3 W Length of record=186 Days
Start of record 30 mn 9 hr 12 dy 5 mo 80 yr PST Rate of obser.= 2 per Hour

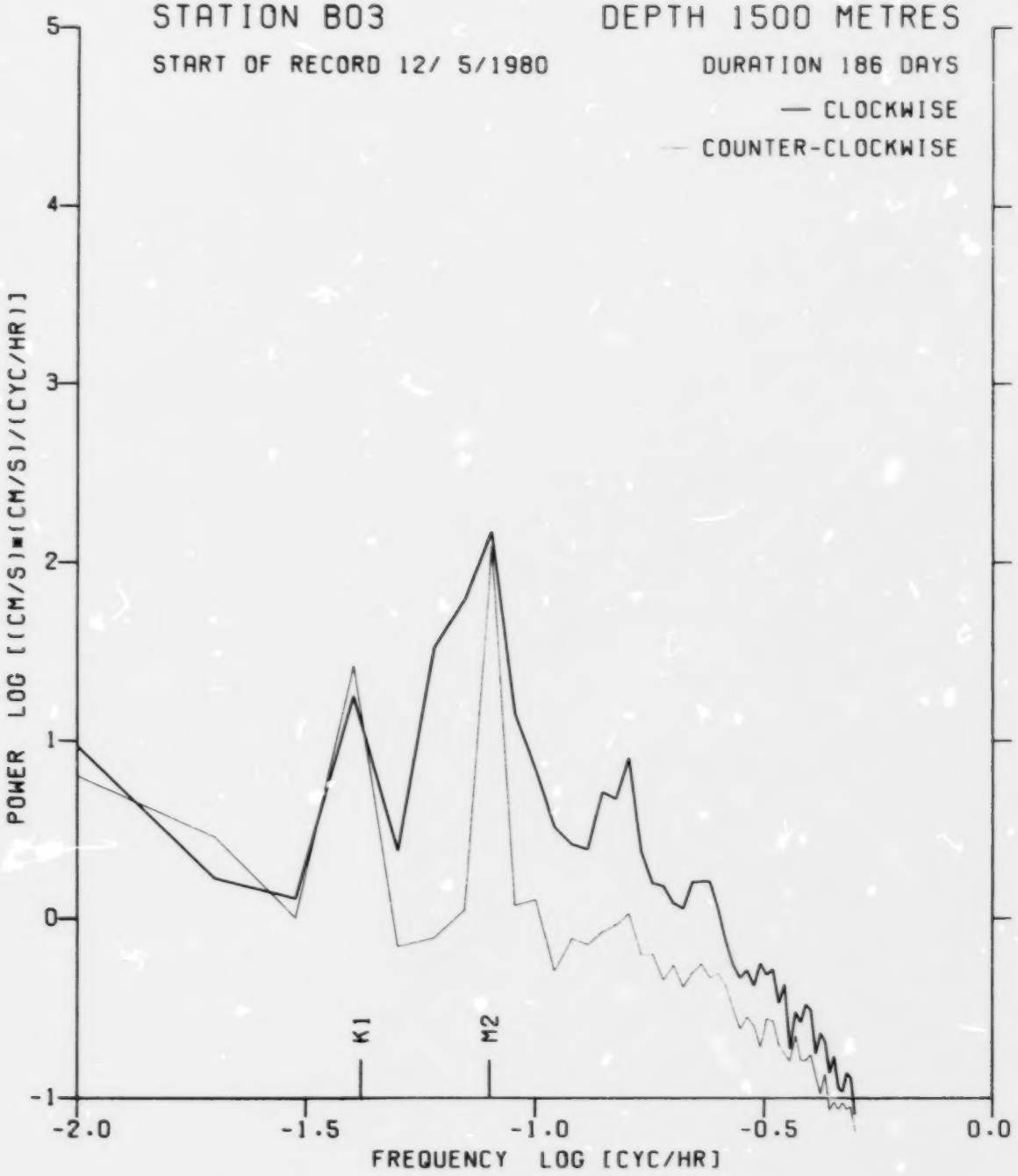
CMS/SEC

DIR	001 to 004	005 to 009	010 to 014	015 to 019	020 to 024	025 to 029	030 to 034	035 to 039	040 to 044	045 to 049	050 to 054	055 to 059	060 to 064	065 to 069	070 to 074	075 to 079	080 to 084	085 to 089	090 to 094	095 to 099	100 to 104	105 to 109	110 to 114	115 to 119	120 to 124	
0- 9	287	051																								338
10- 19	393	055																								448
20- 29	314	027																								341
30- 39	323	037																								360
40- 49	304	026																								330
50- 59	333	026																								359
60- 69	272	041																								313
70- 79	301	026																								327
80- 89	329	050																								379
90- 99	297	076																								373
100-109	353	089																								442
110-119	382	075																								457
120-129	375	122																								497
130-139	340	145																								485
140-149	295	113																								408
150-159	232	099																								331
160-169	219	043																								262
170-179	149	026																								175
180-189	119	004																								123
190-199	115	007																								122
200-209	086	005																								91
210-219	099	001																								100
220-229	088																									88
230-239	048																									48
240-249	059																									59
250-259	073																									73
260-269	061																									61
270-279	073	001																								74
280-289	063	001																								64
290-299	092	004																								96
300-309	096	006																								102
310-319	140	008																								148
320-329	157	020																								177
330-339	224	035																								259
340-349	237	047																								284
350-359	285	048																								333
	7613	1314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8927

Number of zero rates: 0

BROOKS PENINSULA
PROGRESSIVE VECTOR DIAGRAM




STATION B03
DEPTH 1500 METRES
START OF RECORD 12/ 5/1980
DURATION 186 DAYS
— CLOCKWISE
— COUNTER-CLOCKWISE
POWER LOG [(CM/S)**(CM/S)/(CYC/HR)]
5
4
3
2
1
0
-1
K1
M2
-2.0
-1.5
-1.0
-0.5
0.0
FREQUENCY LOG [CYC/HR]

TIDAL CURRENT ELLIPSE

Stn CZ1 Depth 0050m PACHENA POINT 48 28.6 N 125 22.7 W

Starting time of analysed data 00 Min 14 Hr 22 Day 04 Mon 80 Yr PST
Length of Data 95 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	3.9	0.0	12.8	180.0
MM	3.2	.2	87.8	163.9
MSF	1.8	.6	162.1	250.5
ALP1	.3	.1	79.5	150.4
2Q1	.3	0.0	20.4	314.7
Q1	.9	-.1	36.7	17.9
O1	4.8	-.8	169.6	218.9
NO1	.8	-.2	179.6	173.3
K1	11.4	-3.8	159.5	228.0
J1	.7	0.0	104.0	274.4
OO1	1.1	-.5	159.6	251.9
UPS1	.6	0.0	27.1	16.9
EPS2	.7	-.4	85.4	223.3
MU2	.4	-.4	25.3	232.6
N2	3.1	-2.5	178.8	157.2
M2	11.0	-7.0	173.0	212.4
L2	1.9	-1.2	173.6	167.7
S2	2.7	-1.8	147.5	221.2
ETA2	.6	-.4	128.1	243.5
MO3	.7	-.2	88.7	242.6
M3	.6	-.3	64.0	94.9
MK3	.8	.1	123.5	323.2
SK3	.7	-.5	145.1	260.5
MN4	.3	-.2	133.4	269.9
M4	.5	-.4	117.4	324.1
SN4	0.0	0.0	74.3	206.8
MS4	.5	-.3	143.2	290.9
S4	.1	-.1	169.5	287.3
2MK5	.1	0.0	139.7	35.8
2SK5	.1	0.0	116.7	160.4
2MN6	.2	.0	66.2	323.7
M6	.2	0.0	56.9	33.2
2MS6	.3	0.0	97.6	88.5
2SM6	.3	0.0	60.4	180.7
3MK7	.2	-.1	108.3	154.9
M8	0.0	0.0	96.6	243.7

TIDAL CURRENT ELLIPSE

Stn CZ1 Depth 0050m PACHENA POINT 48 29.0 N 125 22.6 W

Starting time of analysed data 00 Min 16 Hr 22 Day 10 Mon 80 Yr PST
Length of Data 108 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	8.5	0.0	166.4	0.0
MM	2.5	-.3	24.1	127.3
MSF	4.8	-1.5	12.3	276.3
ALP1	.7	0.0	107.4	124.3
2Q1	.7	0.0	110.7	278.2
Q1	.6	.4	2.4	14.7
O1	3.7	-.9	167.0	241.4
NO1	.6	0.0	21.8	8.8
K1	10.4	-3.3	162.4	243.9
J1	1.0	-.2	164.1	251.6
OO1	1.1	-.6	126.9	203.5
UPS1	.7	-.1	74.1	54.7
EPS2	.3	-.1	57.3	222.1
MU2	.5	-.1	137.9	191.0
N2	1.8	-.7	12.2	46.7
M2	8.3	-4.6	2.1	83.3
L2	.7	-.4	115.5	178.5
S2	1.9	-1.6	14.1	73.1
ETA2	.5	-.2	142.0	256.7
MO3	.1	0.0	61.6	39.3
M3	.3	-.1	80.1	19.3
MK3	.4	0.0	57.6	342.5
SK3	.3	0.0	155.2	155.0
MN4	.3	-.2	12.0	193.8
M4	.3	-.2	81.5	198.3
SN4	.4	-.3	28.8	271.0
MS4	.2	-.1	56.8	193.2
S4	.1	-.1	59.9	146.5
2MK5	.4	-.1	133.6	339.9
2SK5	.2	-.1	87.4	194.2
2MN6	.2	-.1	35.9	355.2
M6	.2	.1	146.5	176.9
2MS6	.3	-.2	102.7	28.3
2SM6	.2	-.2	135.2	69.4
3MK7	.2	-.1	147.7	136.1
M8	.2	-.1	168.5	65.0

TIDAL CURRENT ELLIPSE

Stn CZ1 Depth 0100m PACHENA POINT 48 28.6 N 125 22.7 W

Starting time of analysed data 00 Min 14 Hr 22 Day 04 Mon 80 Yr PST
Length of Data 95 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INF.INATION	GREENWICH PHASE LAG
Z0	2.6	0.0	170.3	0.0
MM	1.5	.6	60.3	250.3
MSF	1.1	.4	11.2	56.4
ALP1	.2	0.0	49.9	14.7
2Q1	.8	-.3	48.9	300.7
Q1	.9	-.2	10.2	30.1
O1	5.5	-.2	166.2	224.3
NO1	.6	.2	21.8	67.1
K1	10.3	-.9	170.8	242.6
J1	.6	.2	16.9	103.1
OO1	.3	0.0	141.5	113.0
UPS1	.6	0.0	34.9	3.0
EPS2	.3	0.0	169.3	319.7
MU2	.6	0.0	27.8	319.8
N2	1.7	-.9	149.5	154.4
M2	9.5	-5.2	176.7	203.8
L2	.8	-.6	163.5	294.8
S2	1.4	-.8	3.0	60.3
ETA2	1.0	-.1	27.8	308.7
MO3	.6	.1	158.6	50.4
M3	.4	-.1	45.1	341.2
MK3	.8	.2	142.3	36.4
SK3	.3	0.0	41.5	288.9
MN4	.3	-.2	20.0	165.9
M4	.4	-.4	3.7	196.2
SN4	.2	-.1	43.4	325.9
MS4	.2	-.1	5.5	195.7
S4	.2	-.1	58.1	275.6
2MK5	.3	-.2	19.7	256.7
2SK5	.1	.1	179.9	282.0
2MN6	.1	0.0	176.4	249.3
M6	.4	-.2	6.2	17.6
2MS6	.2	-.2	123.8	357.5
2SM6	.2	-.1	44.4	154.7
3MK7	.2	-.1	101.0	103.3
M8	0.0	0.0	94.2	356.9

TIDAL CURRENT ELLIPSE

Stn CZ1 Depth 0100m PACHENA POINT 48 29.0 N 125 22.6 W

Starting time of analysed data 00 Min 16 Hr 22 Day 10 Mon 80 Yr PST
Length of Data 108 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	5.7	0.0	173.9	0.0
MM	3.3	.9	39.6	341.2
MSF	2.9	-.6	32.2	256.6
ALP1	1.2	0.0	22.5	120.8
2Q1	.4	0.0	9.0	359.4
Q1	1.4	-.1	141.5	202.4
O1	5.0	-.1	173.4	225.8
NO1	.6	0.0	143.4	197.2
K1	10.4	-.2	176.9	248.6
J1	.9	.3	171.1	228.6
OO1	.5	-.2	17.0	342.6
UPS1	.6	.5	138.3	170.1
EPS2	.8	-.6	150.5	141.4
MU2	.4	-.3	129.6	118.3
N2	2.4	-1.8	160.0	176.7
M2	9.6	-5.6	167.5	232.8
L2	.8	0.0	112.8	265.8
S2	2.1	-1.4	28.0	40.7
ETA2	1.1	-.5	70.4	85.0
MO3	.7	-.1	114.6	62.0
M3	.5	-.4	120.6	130.3
MK3	1.0	-.4	133.4	77.9
SK3	.8	-.4	164.2	72.6
MN4	.4	-.4	120.8	104.3
M4	1.0	-.7	35.2	191.2
SN4	.4	-.2	162.1	330.3
MS4	.4	-.3	48.4	213.0
S4	.1	0.0	99.5	343.4
2MK5	.7	-.4	125.5	159.8
2SK5	.2	-.1	56.3	148.9
2MN6	.3	-.2	103.8	249.2
M6	.3	0.0	137.6	305.6
2MS6	.1	0.0	15.4	266.9
2SM6	.1	0.0	85.1	159.9
3MK7	.2	0.0	113.4	132.7
M8	.2	0.0	74.7	106.6

TIDAL CURRENT ELLIPSE

Stn CZ3 Depth 0200m PACHENA POINT 48 19.4 N 125 53.0 W

Starting time of analysed data 00 Min 15 Hr 11 Day 06 Mon 80 Yr PST
Length of Data 100 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	6.2	0.0	132.2	0.0
MM	.3	.1	65.1	25.4
MSF	1.4	-.2	153.2	308.5
ALP1	.6	-.1	14.2	122.0
2Q1	.4	-.2	105.1	63.4
Q1	1.5	-1.0	0.0	24.2
O1	3.7	-2.7	114.1	276.6
NO1	.4	0.0	82.3	341.0
K1	8.2	-4.9	115.1	315.8
J1	1.3	-1.0	175.5	307.6
OO1	.9	-.7	11.0	60.2
UPS1	.5	-.2	149.2	171.9
EPS2	.9	-.5	139.0	193.2
MU2	.5	-.2	32.9	303.7
N2	1.7	-.5	102.9	348.5
M2	2.3	-1.7	110.3	325.4
L2	1.0	-.6	65.9	34.0
S2	2.3	-1.1	140.9	121.4
ETA2	1.0	-.4	84.8	253.7
MO3	.2	0.0	49.0	46.4
M3	.4	-.1	115.2	227.0
MK3	.4	-.2	156.8	235.0
SK3	.2	-.1	111.4	251.6
MN4	.1	-.1	80.9	167.7
M4	.4	-.2	93.0	104.2
SN4	.4	-.1	108.0	103.4
MS4	.2	-.1	99.5	75.6
S4	.3	-.1	38.6	308.3
2MK5	.2	.1	42.6	145.2
2SK5	.1	-.1	32.4	268.0
2MN6	.1	0.0	1.4	126.4
M6	.2	-.1	57.7	189.7
2MS6	.1	0.0	58.2	210.3
2SM6	.2	0.0	99.5	317.9
3MK7	.1	0.0	119.1	288.5
M8	.1	0.0	20.2	356.0

TIDAL CURRENT ELLIPSE

Stn N01 Depth 0048m ESTEVAN POINT NEAR SHORE 49 23.5 N 126 38.6 W

Starting time of analysed data 00 Min 09 Hr 07 Day 05 Mon 80 Yr PST
Length of Data 129 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	2.1	0.0	65.0	0.0
MM	.7	.2	70.4	209.0
MSF	1.2	-1.0	99.7	277.2
ALP1	.4	0.0	37.3	75.4
2Q1	1.2	-.4	106.6	155.6
Q1	.5	0.0	140.0	18.1
O1	6.0	.9	135.2	.1
NO1	.8	-.5	94.2	151.6
K1	13.3	2.4	137.6	29.1
J1	1.4	.2	96.6	358.0
OO1	1.8	-.3	59.2	300.4
UPS1	1.8	-.3	48.1	270.4
EPS2	.3	.1	170.1	257.3
MU2	.7	.1	71.2	195.9
N2	1.0	-.5	107.9	308.4
M2	4.8	.5	66.8	276.2
L2	1.1	0.0	174.9	108.4
S2	1.6	.2	115.9	338.2
ETA2	.3	0.0	20.3	351.3
MO3	.3	-.1	79.4	224.1
M3	.5	0.0	43.9	96.7
MK3	.6	-.3	141.0	222.7
SK3	.3	-.1	71.5	343.3
MN4	.3	0.0	56.9	7.2
M4	.4	-.2	3.3	331.9
SN4	.5	-.2	60.4	171.5
MS4	.2	0.0	53.0	166.8
S4	.3	-.1	2.2	139.1
2MK5	.2	-.1	72.3	186.3
2SK5	.2	0.0	17.9	176.3
2MN6	.2	0.0	33.8	344.9
M6	.1	0.0	178.4	158.2
2MS6	.2	0.0	27.2	64.6
2SM6	.2	0.0	39.7	160.4
3MK7	.1	0.0	84.5	224.0
M8	0.0	0.0	64.3	286.8

TIDAL CURRENT ELLIPSE

Stn E01 Depth 0045m ESTEVAN POINT 49 20.7 N 126 45.3 W

Starting time of analysed data 00 Min 13 Hr 23 Day 01 Mon 80 Yr PST
Length of Data 234 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	13.9	0.0	134.4	360.0
SSA	6.0	1.9	126.0	292.2
MSM	5.9	-.4	125.7	221.0
MM	1.0	.1	106.9	94.8
MSF	4.4	1.2	140.4	263.6
MF	3.8	.8	135.1	310.8
ALP1	.4	-.3	154.2	79.1
2Q1	.8	-.2	115.8	157.0
SIG1	1.0	-.5	88.1	227.5
Q1	.9	-.6	56.3	113.7
RHO1	.7	-.4	6.6	60.2
O1	6.8	-.8	118.1	11.5
TAU1	.2	0.0	140.2	31.2
BET1	.2	.1	50.7	341.7
NO1	.5	0.0	176.3	77.9
CHI1	1.0	.3	114.3	71.7
P1	4.7	-1.5	127.1	49.8
K1	14.5	-2.2	118.0	39.9
PHI1	.3	-.1	12.6	95.3
THE1	.9	-.4	103.6	52.3
J1	.9	0.0	102.2	28.7
SO1	.2	0.0	62.9	290.5
OO1	.9	.3	106.4	49.4
UPS1	1.0	-.3	83.1	215.4
OQ2	.5	-.1	78.7	226.8
EPS2	.4	-.3	149.5	180.2
2N2	.4	-.2	44.6	229.5
MU2	.4	-.1	157.8	321.5
N2	.9	.3	62.7	258.9
NU2	.5	-.1	48.0	277.4
M2	3.3	2.3	63.0	290.9
MKS2	1.1	-.1	155.5	97.3
LDA2	.5	-.1	12.1	43.6
L2	.5	-.2	15.8	353.5
S2	1.3	0.0	59.3	326.7
K2	.6	-.4	146.7	156.1
MSN2	.5	-.4	139.8	146.1
ETA2	.2	0.0	8.7	31.3
MO3	.6	-.2	12.6	247.0
M3	.3	0.0	110.1	165.4
SO3	.3	-.2	179.2	81.3
MK3	.6	-.2	53.1	205.8
SK3	.3	0.0	15.4	262.0
MN4	.2	-.1	119.6	296.4
M4	.3	0.0	13.3	79.6
SN4	.3	0.0	116.4	267.4
MS4	.3	.2	100.6	39.1
MK4	.2	.2	12.1	18.9
S4	.2	-.1	122.2	58.7
SK4	.4	-.1	141.2	167.1

Continued

Stn E01 Depth 0045m ESTEVAN POINT 49 20.7 N 126 45.3 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	179.3	247.2
2SK5	.2	0.0	66.6	89.5
2MN6	0.0	0.0	15.8	36.1
M6	.2	-.1	176.5	315.2
2MS6	.2	0.0	6.5	181.8
2MK6	.4	.1	57.6	312.2
2SM6	.1	0.0	90.6	33.2
MSK6	.2	-.1	144.6	131.6
3MK7	.1	0.0	95.2	225.1
M8	.2	-.1	151.7	316.9

TIDAL CURRENT ELLIPSE

Stn E1A Depth 0015m ESTEVAN POINT E1A 49 20.1 N 126 44.3 W

Starting time of analysed data 00 Min 11 Hr 07 Day 05 Mon 80 Yr PST
Length of Data 129 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	17.4	0.0	143.7	0.0
MM	4.4	0.0	105.7	82.1
MSF	4.9	1.8	134.1	289.3
ALP1	.7	-.4	32.0	311.6
2Q1	1.4	-.6	34.6	97.7
Q1	.2	.2	139.6	245.1
O1	6.6	-.4	117.4	6.2
NO1	1.1	-.4	116.5	26.4
K1	13.9	-1.5	119.7	34.6
J1	1.2	-.5	173.5	45.3
OO1	1.4	-.2	120.8	67.2
UPS1	1.5	0.0	133.3	244.1
EPS2	1.4	-1.3	14.9	171.6
MU2	1.1	-.8	161.8	212.7
N2	.7	-.2	99.2	335.3
M2	7.8	-3.3	60.5	303.9
L2	2.6	-1.8	5.6	343.1
S2	1.7	-.3	75.5	340.0
ETA2	1.3	-.9	174.5	154.9
MO3	.5	-.3	168.4	279.8
M3	.5	-.4	49.6	277.5
MK3	.6	-.1	149.3	313.9
SK3	.3	-.2	5.1	91.5
MN4	.3	-.2	30.2	292.8
M4	.4	-.2	25.3	252.4
SN4	.3	-.2	89.3	250.0
MS4	.4	-.1	176.4	166.2
S4	.2	0.0	65.7	181.9
2MK5	.4	-.1	23.3	147.5
2SK5	.3	-.1	3.2	179.4
2MN6	.3	-.2	22.9	284.5
M6	.1	0.0	30.6	258.7
2MS6	.1	0.0	55.9	306.9
2SM6	.1	0.0	72.5	183.8
3MK7	.3	-.1	76.4	10.2
M8	.1	0.0	20.2	341.6

TIDAL CURRENT ELLIPSE

Stn E1B Depth 0006m ESTEVAN POINT ROUGH 49 19.2 N 126 42.7 W

Starting time of analysed data 00 Min 10 Hr 07 Day 05 Mon 80 Yr PST
Length of Data 129 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	8.1	0.0	33.4	180.0
MM	2.9	-1.4	67.5	156.5
MSF	4.2	.5	155.1	265.3
ALP1	1.0	-.6	132.3	247.0
2Q1	2.9	.2	21.6	38.2
Q1	2.1	.7	170.9	186.8
O1	4.1	.1	143.1	54.3
NO1	1.2	.3	61.4	203.3
K1	5.0	-.1	135.3	17.1
J1	1.4	.9	16.9	156.3
OO1	1.7	.4	108.5	210.9
UPS1	1.5	.3	114.5	188.2
EPS2	1.5	.2	11.2	300.3
MU2	1.4	.9	91.7	328.5
N2	1.3	.3	171.2	187.6
M2	4.9	-.5	65.7	332.6
L2	2.5	-1.2	81.7	250.0
S2	.8	0.0	128.2	12.3
ETA2	2.3	-.4	154.3	215.4
MO3	.7	-.4	158.8	332.9
M3	.7	-.3	52.7	203.3
MK3	.6	.2	87.0	141.2
SK3	1.0	-.3	103.3	262.7
MN4	.2	0.0	23.3	223.3
M4	.4	0.0	145.6	269.8
SN4	.7	-.4	103.6	49.1
MS4	.7	.1	65.3	44.1
S4	.7	.1	61.0	27.4
2MK5	.6	.1	79.3	219.2
2SK5	.5	0.0	51.5	133.7
2MN6	.4	-.2	11.4	342.4
M6	.5	.2	18.5	287.2
2MS6	.4	.1	114.1	304.1
2SM6	.6	.5	28.0	157.3
3MK7	.9	.4	10.0	67.4
M8	.5	0.0	48.2	257.0

TIDAL CURRENT ELLIPSE

Stn E02 Depth 0049m ESTEVAN POINT 49 16.3 N 126 51.9 W

Starting time of analysed data 00 Min 12 Hr 23 Day 01 Mon 80 Yr PST
Length of Data 236 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.8	0.0	160.8	180.0
SSA	8.6	1.6	139.6	330.0
MSM	3.5	.3	134.0	240.3
MM	1.6	-.5	167.3	306.4
MSF	1.9	-.7	134.0	56.4
MF	1.7	.8	134.0	321.2
ALP1	.3	-.1	86.8	306.5
2Q1	.5	-.1	69.6	152.0
SIG1	.3	0.0	162.6	329.5
Q1	.5	-.1	93.5	347.2
RHO1	.5	-.2	93.7	312.1
O1	5.8	-2.1	125.7	18.5
TAU1	.4	.1	56.6	232.4
BET1	.5	-.2	46.6	.2
NO1	.3	0.0	95.2	352.0
CHI1	.3	0.0	44.0	82.4
P1	3.4	-.8	130.1	45.6
K1	11.5	-4.5	129.6	41.6
PHI1	.5	0.0	145.5	49.0
THE1	.7	-.3	169.2	344.5
J1	1.1	-.4	138.4	26.2
SO1	.4	-.1	1.0	49.6
OO1	1.3	-.3	123.2	70.7
UPS1	.3	0.0	110.3	333.9
OQ2	.7	-.5	49.6	131.5
EPS2	.2	0.0	28.4	157.1
2N2	.2	-.1	43.9	13.4
MU2	.6	-.3	60.0	350.8
N2	.7	.2	59.8	260.7
NU2	1.0	-.7	100.7	5.4
M2	3.0	1.1	25.0	256.1
MKS2	1.0	-.5	113.8	71.0
LDA2	.8	-.5	88.4	189.5
L2	.9	-.8	25.4	311.4
S2	1.0	.4	48.5	294.4
K2	1.1	-.3	41.0	301.9
MSN2	.5	-.3	168.8	246.6
ETA2	.6	-.2	49.4	224.6
MO3	.2	0.0	1.8	303.8
M3	.3	-.1	1.4	203.1
SO3	.3	-.2	154.5	78.6
MK3	.3	-.3	80.2	72.4
SK3	.2	-.1	87.3	57.8
MN4	.3	-.1	14.0	337.4
M4	.3	-.1	21.0	149.9
SN4	.2	0.0	101.5	269.8
MS4	.2	0.0	117.5	345.3
MK4	.4	-.1	50.9	283.4
S4	.1	0.0	93.4	37.8
SK4	.4	-.2	174.5	108.7

Continued

Stn E02 Depth 0049m ESTEVAN POINT 49 16.3 N 126 51.9 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
2MK5	.1	0.0	10.0	312.7
2SK5	0.0	0.0	154.6	285.9
2MN6	.1	0.0	29.0	252.5
M6	.1	0.0	177.0	274.9
2MS6	.1	-.1	51.0	297.9
2MK6	.2	-.1	179.0	285.6
2SM6	.2	0.0	179.9	33.4
MSK6	0.0	0.0	171.0	37.7
3MK7	.1	0.0	143.9	43.5
M8	.1	.1	71.6	143.6

TIDAL CURRENT ELLIPSE

Stn E2A Depth 0015m ESTEVAN POINT E2A 49 15.0 N 126 52.0 W

Starting time of analysed data 00 Min 15 Hr 07 Day 05 Mon 80 Yr PST
Length of Data 131 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	7.9	0.0	112.8	180.0
MM	3.1	-1.6	90.3	50.0
MSF	1.8	-.4	61.3	203.0
ALP1	.5	-.2	69.2	291.2
2Q1	.7	-.3	27.8	74.8
Q1	.7	-.3	53.4	102.6
O1	5.8	-1.8	130.0	11.3
NO1	.9	-.6	163.9	350.8
K1	10.2	-2.8	128.8	44.9
J1	1.0	-.2	116.9	61.5
OO1	1.0	-.3	105.5	44.9
UPS1	.5	.2	4.7	208.5
EPS2	2.5	-2.4	169.2	330.5
MU2	1.0	-.6	52.9	279.2
N2	.7	0.0	127.6	330.4
M2	5.3	-1.1	121.9	344.2
L2	1.7	-1.5	97.0	192.8
S2	1.5	-.5	147.4	33.5
ETA2	1.7	-1.0	168.9	185.6
MO3	.4	-.4	91.2	270.8
M3	.7	-.3	54.9	32.8
MK3	.3	-.3	41.3	66.3
SK3	.2	-.1	150.3	251.8
MN4	.5	-.4	32.2	229.8
M4	.3	-.1	95.8	173.6
SN4	.5	-.2	40.9	192.5
MS4	.8	-.4	28.7	29.4
S4	.3	-.1	11.9	66.9
2MK5	.3	0.0	123.9	105.2
2SK5	.4	-.2	16.7	55.9
2MN6	.3	-.2	26.2	137.6
M6	.2	0.0	164.4	222.9
2MS6	.3	-.1	76.7	278.1
2SM6	.1	0.0	18.7	290.0
3MK7	.2	-.1	87.0	211.8
M8	.3	0.0	42.0	206.2

TIDAL CURRENT ELLIPSE

Stn E2B Depth 0060m ESTEVAN POINT E2B 49 09.3 N 127 01.8 W

Starting time of analysed data 00 Min 17 Hr 07 Day 05 Mon 80 Yr PST
Length of Data 102 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	17.0	0.0	131.9	180.0
MM	3.7	-.8	132.2	60.9
MSF	3.9	-1.6	107.7	318.5
ALP1	.3	0.0	95.8	125.2
2Q1	.7	.1	157.7	250.3
Q1	.8	-.4	170.1	322.3
O1	2.7	-1.3	111.7	59.8
NO1	.3	-.1	20.7	304.2
K1	5.7	-3.7	112.1	76.4
J1	.7	.3	40.0	52.8
OO1	.4	0.0	33.9	157.2
UPS1	.5	-.2	75.9	229.5
EPS2	.7	-.5	78.1	31.5
MU2	.6	-.5	6.9	337.6
N2	.4	.2	37.0	254.8
M2	4.8	.6	129.0	1.6
L2	.5	-.4	172.6	277.7
S2	1.5	-.1	121.6	30.5
ETA2	.6	-.4	54.3	65.6
MO3	.2	-.1	16.5	117.7
M3	.3	-.2	16.7	259.3
MK3	.2	0.0	168.4	19.1
SK3	.1	0.0	118.3	349.2
MN4	.6	-.2	29.4	334.6
M4	.3	0.0	91.6	151.4
SN4	.5	0.0	121.1	254.4
MS4	.4	-.1	49.4	97.0
S4	.2	-.1	135.8	333.4
2MK5	.2	0.0	56.2	195.3
2SK5	.1	0.0	103.6	342.4
2MN6	.3	-.1	54.7	94.3
M6	.2	-.1	167.5	357.8
2MS6	.1	-.1	143.9	135.6
2SM6	.2	0.0	80.0	329.5
3MK7	.1	0.0	82.1	307.6
M8	.2	0.0	45.4	77.5

TIDAL CURRENT ELLIPSE

Stn E03 Depth 0055m ESTEVAN POINT 49 06.4 N 127 08.6 W

Starting time of analysed data 00 Min 22 Hr 07 Day 05 Mon 80 Yr PST
Length of Data 108 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	8.5	0.0	140.3	180.0
MM	2.6	-.7	116.9	87.4
MSF	2.2	-.3	120.3	308.5
ALP1	.4	-.1	19.2	78.7
2Q1	.4	.1	56.4	232.8
Q1	.1	-.1	68.4	154.3
O1	1.5	-.6	101.0	66.1
NO1	.2	0.0	164.5	56.9
K1	3.7	-1.9	109.1	77.5
J1	.5	-.1	104.8	90.1
OO1	.7	-.2	163.0	41.8
UPS1	.6	-.3	95.4	30.5
EPS2	.5	-.3	.2	219.7
MU2	.4	-.1	7.4	188.2
N2	.7	-.5	147.9	.4
M2	5.3	-1.5	115.7	318.4
L2	1.0	-.9	168.5	10.2
S2	.8	.1	127.0	354.1
ETA2	.7	-.4	66.7	236.2
MO3	.3	-.2	40.8	118.5
M3	.3	-.1	23.7	205.4
MK3	.1	0.0	71.9	180.3
SK3	.3	-.1	89.6	313.5
MN4	.3	-.1	64.2	241.0
M4	.3	.1	52.3	336.1
SN4	.2	0.0	91.0	131.5
MS4	.4	-.1	52.9	353.2
S4	.3	-.2	110.7	83.5
2MK5	.1	0.0	172.9	353.4
2SK5	.2	0.0	176.7	302.2
2MN6	.1	0.0	171.7	47.9
M6	.3	-.2	15.8	235.9
2MS6	.1	0.0	52.0	45.3
2SM6	0.0	0.0	3.9	248.3
3MK7	.1	0.0	52.1	179.1
M8	.1	0.0	7.1	4.6

TIDAL CURRENT ELLIPSE

Stn E04 Depth 0050m ESTEVAN POINT 48 52.2 N 127 19.7 W

Starting time of analysed data 00 Min 11 Hr 08 Day 05 Mon 80 Yr PST
Length of Data 125 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.8	0.0	15.8	0.0
MM	2.5	.3	21.3	75.4
MSF	.9	.5	108.2	308.8
ALP1	.3	-.2	95.9	62.4
2Q1	.4	0.0	15.4	259.3
Q1	.3	-.1	75.8	80.6
O1	.9	.2	78.0	80.7
NO1	.3	.1	133.1	334.7
K1	1.7	-.6	87.4	100.3
J1	.5	-.2	26.2	17.7
OO1	.3	-.1	122.6	82.5
UPS1	.3	-.2	159.6	8.9
EPS2	.2	.1	37.3	121.8
MU2	.5	-.4	1.2	146.7
N2	1.2	-.9	54.9	295.1
M2	6.9	-4.5	93.5	321.8
L2	.9	-.7	97.2	30.5
S2	1.1	-.6	101.6	339.6
ETA2	.3	-.2	22.8	223.6
MO3	.1	0.0	69.0	240.1
M3	.1	-.1	82.4	296.6
MK3	.2	0.0	26.0	2.8
SK3	.1	0.0	140.3	93.0
MN4	.2	-.1	70.4	46.1
M4	.5	-.3	171.1	282.0
SN4	.4	-.1	145.9	231.0
MS4	.5	-.1	102.6	321.9
S4	.1	-.1	94.6	140.0
2MK5	.1	0.0	77.6	197.1
2SK5	.1	-.1	15.0	239.7
2MN6	.2	0.0	70.3	323.5
M6	.1	-.1	8.7	111.0
2MS6	.1	0.0	129.1	317.0
2SM6	.1	0.0	145.3	123.3
3MK7	.1	0.0	8.2	6.0
M8	.1	0.0	163.7	357.9

TIDAL CURRENT ELLIPSE

Stn E05 Depth 0153m ESTEVAN POINT 48 46.9 N 127 35.5 W

Starting time of analysed data 00 Min 15 Hr 08 Day 05 Mon 80 Yr PST
Length of Data 127 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.7	0.0	32.9	0.0
MM	1.0	.3	136.3	163.2
MSF	1.5	.3	58.4	106.5
ALP1	.1	0.0	57.5	301.0
2Q1	.3	-.1	27.0	217.7
Q1	.2	-.1	117.0	142.5
O1	.8	0.0	105.8	112.5
NO1	0.0	0.0	13.8	118.6
K1	1.1	0.0	104.1	120.0
J1	.2	0.0	91.1	162.1
OO1	.3	-.2	131.2	191.3
UPS1	.2	0.0	95.7	147.5
EPS2	.1	-.1	161.7	47.7
MU2	.5	-.3	57.6	123.6
N2	.4	-.1	81.6	289.6
M2	3.8	-2.0	83.1	297.0
L2	.7	-.5	88.7	251.3
S2	1.0	-.4	108.0	.8
ETA2	.5	-.4	153.3	238.5
MO3	.1	0.0	96.8	294.7
M3	.1	0.0	117.8	280.7
MK3	.2	-.2	83.7	122.0
SK3	.1	0.0	30.1	343.0
MN4	.1	.1	81.9	222.1
M4	.3	-.2	107.0	315.3
SN4	.1	0.0	67.4	60.0
MS4	.1	0.0	.6	137.5
S4	.1	0.0	112.5	140.3
2MK5	.1	.1	93.5	258.3
2SK5	.1	0.0	163.4	220.2
2MN6	.1	0.0	30.2	190.3
M6	.1	0.0	145.3	310.0
2MS6	.1	0.0	86.0	38.4
2SM6	.1	0.0	179.9	166.3
3MK7	.1	0.0	120.7	118.3
M8	.1	0.0	133.4	286.9

TIDAL CURRENT ELLIPSE

Stn E05 Depth 2000m ESTEVAN POINT 48 46.9 N 127 35.5 W

Starting time of analysed data 00 Min 14 Hr 08 Day 05 Mon 80 Yr PST
Length of Data 27 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.1	0.0	40.5	180.0
MSF	.2	.1	13.8	120.3
O1	.6	0.0	90.2	118.5
K1	.6	.2	94.0	99.4
M2	1.5	.2	120.9	4.5
S2	.2	.1	151.6	56.7
M3	.1	0.0	166.7	87.0
SK3	.3	-.1	65.5	210.2
M4	.2	0.0	103.9	236.0
MS4	.1	0.0	7.5	289.8
S4	.1	0.0	76.9	226.8
2MK5	.1	-.1	116.6	180.0
2SK5	.2	0.0	32.0	277.4
M6	0.0	0.0	69.9	143.1
2MS6	.1	-.1	71.3	285.4
2SM6	.1	0.0	59.6	155.1
3MK7	.1	0.0	83.2	51.0
M8	.1	0.0	10.6	123.4

TIDAL CURRENT ELLIPSE

Stn B02 Depth 0030m BROOKS PENINSULA 49 55.9 N 128 17.0 W

Starting time of analysed data 00 Min 23 Hr 11 Day 05 Mon 80 Yr PST
Length of Data 120 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	14.0	0.0	137.5	180.0
MM	4.7	0.0	35.4	266.1
MSF	.7	-.2	18.7	140.3
ALP1	.4	0.0	177.2	14.3
2Q1	.9	0.0	4.3	23.3
Q1	..	.1	74.6	178.7
O1	1.0	-.1	126.9	125.4
NO1	.5	-.1	99.5	326.9
K1	1.2	.3	167.5	172.6
J1	.6	-.3	64.6	38.6
OO1	.5	-.4	58.7	287.1
UPS1	.3	-.1	27.9	98.0
EPS2	1.6	-1.1	25.3	135.9
MU2	1.0	-.3	83.4	128.3
N2	1.1	-.2	111.4	290.7
M2	11.7	-6.8	75.2	289.4
L2	2.7	-2.1	39.0	268.0
S2	2.8	-1.2	72.3	324.1
ETA2	1.2	-.4	49.1	300.0
MO3	.5	-.1	20.4	167.8
M3	.4	-.2	97.2	340.1
MK3	.3	-.2	160.7	56.2
SK3	.3	-.1	119.4	111.9
MN4	.4	-.3	179.0	173.7
M4	.6	-.4	95.3	48.0
SN4	.5	.1	43.2	275.8
MS4	.4	0.0	2.2	250.1
S4	.3	.1	24.6	104.5
2MK5	.1	0.0	7.5	240.5
2SK5	.3	-.2	130.7	245.4
2MN6	.2	-.1	136.1	60.5
M6	.3	-.2	146.5	239.9
2MS6	.2	0.0	77.8	92.5
2SM6	.1	0.0	38.6	192.2
3MK7	.1	.1	40.6	207.8
M8	.1	0.0	97.7	293.5

TIDAL CURRENT ELLIPSE

Stn B03 Depth 1500m BROOKS PENINSULA 49 38.5 N 128 42.3 W

Starting time of analysed data 00 Min 11 Hr 12 Day 05 Mon 80 Yr PST
Length of Data 186 Days

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
Z0	1.3	0.0	5.6	0.0
SSA	1.3	0.0	120.3	281.2
MM	.4	.1	158.2	218.1
MSF	.4	-.1	44.7	278.4
MF	.2	0.0	1.4	331.4
ALP1	0.0	0.0	115.0	306.2
2Q1	0.0	0.0	122.8	125.3
Q1	.1	0.0	132.4	121.8
O1	.6	0.0	136.2	105.1
TAU1	.1	0.0	142.1	.5
BET1	0.0	0.0	94.9	347.8
NO1	.1	0.0	140.4	109.1
P1	.3	0.0	130.8	108.0
K1	1.0	.1	136.8	109.7
PHI1	.1	0.0	164.9	199.0
J1	0.0	0.0	140.6	147.1
SO1	0.0	0.0	178.7	166.8
OO1	0.0	0.0	102.2	147.6
UPS1	0.0	0.0	15.4	64.6
EPS2	.2	-.1	103.7	190.7
MU2	.2	-.1	85.6	241.4
N2	.5	0.0	105.8	300.4
M2	1.9	.5	118.1	332.8
MKS2	.7	-.4	175.7	62.4
L2	.2	-.1	165.4	30.1
S2	.7	.1	145.8	14.6
K2	.2	.1	79.5	312.9
MSN2	.1	-.1	52.0	57.1
ETA2	.2	-.1	47.9	300.6
MO3	.1	0.0	179.4	141.7
M3	0.0	0.0	175.0	289.9
SO3	0.0	0.0	136.5	230.1
MK3	0.0	0.0	162.0	259.5
SK3	0.0	0.0	131.9	41.7
MN4	0.0	0.0	162.3	58.0
M4	.2	-.1	141.4	66.5
SN4	.1	-.1	64.0	80 6
MS4	.1	0.0	146.1	139.1
MK4	.1	-.1	170.3	92.4
S4	0.0	0.0	19.1	129.8
SK4	.1	0.0	74.6	14.7
2MK5	0.0	0.0	148.7	285.0
2SK5	0.0	0.0	126.2	179.1
2MN6	0.0	0.0	23.9	335.9
M6	0.0	0.0	90.7	154.7
2MS6	0.0	0.0	95.4	124.2
2MK6	0.0	0.0	172.9	53.1
2SM6	0.0	0.0	141.1	237.8
MSK6	0.0	0.0	33.0	298.8
3MK7	0.0	0.0	43.2	172.0

Continued

Stn 803 Depth 1500m BROOKS PENINSULA 49 38.5 N 128 42.3 W

CONSTITUENT NAME	AMPLITUDES (cm/sec) MAJOR AXIS	MINOR AXIS	INCLINATION	GREENWICH PHASE LAG
MB	0.0	0.0	111.2	167.9